# FEDERAL ITEM IDENTIFICATION GUIDE

## WELDING AND HEAT TREATING EQUIPMENT

This Reprint replaces FIIG T345, dated September 3, 1999.

Commander

Defense Logistics Information Service

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BY ORDER OF THE DIRECTOR

/s/

Commander

Defense Logistics Information Service

# Contents

# GENERAL INFORMATION

1. Purpose and Scope

This Federal Item Identification Guide (FIIG) is a self-contained document for the collection, coding, transmittal, and retrieval of item characteristics and related supply management data for an item of supply for logistical use. This FIIG is to be used to describe items of supply identified by the index of approved item names appearing in this section.

2. Contents

This FIIG is comprised of the following:

Index of Approved Item Names Covered by this FIIG
Applicability Key Index
Section I - Item Characteristics Data Requirements
Section III - New text that should be here.
Appendix A - Reply Tables
Appendix B - Reference Drawing Groups (as applicable)
Appendix C - Technical Data Tables (as applicable)

a. Index of Approved Item Names Covered by this FIIG:

The index lists the approved item names with definitions and item name codes as they appear in Cataloging Handbook H6, applicable to this FIIG. In addition, each name entry is assigned an applicability key for use in relating the characteristics requirements in Section I to the specific item name.

b. Applicability Key Index:

The purpose of this index is to provide the user with a ready reference for determining the specific requirements which are applicable to a given approved item name. This index lists all requirements in sequence as they appear in the FIIG. The applicability of a Master Requirement Coded requirement is indicated by the column headed by the specific item name applicability key as follows:

(1) The letter "X" indicates the requirement must be answered for a full descriptive item.

(2) The letters "AR" indicate the requirement is to be answered as required by (1) instructional notes within the FIIG; (2) when the reply is predicated on replies to a related main requirement; or (3) when an asterisk (*) is used in conjunction with the applicability key column in Section I.

(3) A blank in the column indicates the requirement is not applicable to the specific item name.

c. Section I - Item Characteristics Data Requirements:

This section contains the physical and performance characteristics requirements needed to describe and identify an item of supply. These characteristics differentiate one item from all other items of supply and are to be used to meet the needs of all supported functions. This section is arranged in columns. Identification of each column and instructions pertinent thereto are as follows:

(1) Applicability Key:

The first column shows the applicability key(s) for each requirement. It indicates whether the requirement need be satisfied for the item being identified. "ALL" indicates that the requirement must be answered for all items covered by the FIIG. One or more alphabetic character(s) or group of one or more alphabetic characters indicates a response is required when describing items with an approved item name or names represented by the key(s). An asterisk (*) used in conjunction with any applicability key indicates that the characteristic stated in the requirement may not be applicable to all items covered by the FIIG.

(2) Master Requirement Codes (MRC):

A four-position code which is assigned to a FIIG requirement for identification of the requirement, cross-referencing requirements in the various sections and appendices of the FIIG, and for mechanized processing and retrieval of FIIG generated data. Absence of a MRC for a requirement indicates a lead-in to requirements with individual MRCs in Appendix B.

(a) The coding technique for providing MULTIPLE/OPTIONAL responses will not be used for a Section I requirement assigned Mode Code A or L that leads to Appendix B sketches with dimensional requirements.

(b) Identified Secondary Address Coding:

This technique is for extending the Master Requirement Code so that a unique address is provided for each application of the requirement in relation to the item and is authorized only as instructed within the requirement. Responses coded through this technique will always consist of the following: (1) Master Requirement Codes, (2) indicator code (a single numeric character determined by the number of positions contained), (3) identified secondary address code (1 to 3-digit alphabetic codes determined by the number of predicted replies), (4) the mode code, (5) the reply code and/or clear text response, and (6) end with a record separator (*). Steps (1) through (6) are repeated for each application of the requirement.

(c) AND/OR coding:

A technique for extending the Master Requirement Code to provide a distinctive address for multiple responses to the same requirement. Responses coded through this technique will always consist of (1) Master Requirement Code, (2) mode code, (3) the response or reply code (as instructed by the requirement), (4) a single dollar sign ($) for an OR condition, or a double dollar sign ($$) for an AND condition, (5) the mode code, (6) the response or reply code

(followed by conditions (4) through (6) for each of the multiple responses) and (7) end with a record separator (*). NOTE: Apply this technique only when instructed by the requirement sample reply (e.g.).

(3) Mode Code:

A one-position alphabetic code that specifies the manner in which a response will be prepared. Each requirement assigned a MRC is also assigned a mode code. Sample replies follow each FIIG requirement displaying the proper construction of a response for the assigned mode code. The response to a requirement will always be prepared in accordance with the assigned mode code and sample reply except in the following instances:

(a) Use of E Mode Code replies is not authorized. If a reply needed to describe an item is not listed in the applicable table, contact the FIIG Initiator.

(b) Mode Code K may not be used for any requirement unless instructed by the requirement instructions.

(4) Requirement:

This portion includes the characteristics data elements and data use identifiers required to identify and differentiate one item of supply from another, narrative definitions, and explanations as to use and method of expression. Instructions for coding and preparing replies are also provided.

(5) Reply Code:

A code that represents an established authorized reply to a requirement.

d. Section III - Supplementary Technical and Supply Management Data:

This section includes those characteristics requirements necessary to support specific logistics functions other than National Stock Number assignment.

e. Appendix A - Reply Tables:

Tables of authorized replies to requirements and reply codes when the tables are too lengthy for inclusion in Section I/III, when applicable.

f. Appendix B - Reference Drawings:

This appendix contains representative illustrations which portray specific variations of one or more generic characteristics. If reference drawings contain requirements pages to be used in conjunction with illustrations for dimensioning purposes, the requirements pages will contain Master Requirement Codes, mode codes, and a statement of the requirement. A response to requirements on a requirements page is necessary only for those Master Requirement Codes applicable to the illustration selected.

g. Appendix C - Technical Data Tables:

This appendix contains conversion charts and similar data pertinent to the requirements in Section I/III, when applicable.

3. Enter administrative MRC CLQL immediately following the last FIIG requirement reply, as instructed below:

| MRC | Mode Code | Requirement | Example |
|---|---|---|---|
| CLQL | G | COLLOQUIAL NAME (common usage name by which an item is known) | CLQLGWOVEN WIRE CLOTH* |

4. Special Instructions and Indicator Definitions

a. Measurements:

Unless otherwise indicated within a requirement example, enter all measurements in decimal form, carried to the nearest three decimal places, with a minimum of one digit preceding the decimal. For SI (metric), enter all measurements with a minimum of one digit before and after the decimal. For fraction to decimal conversion, see Appendix C.

b. Indicators:

A cross hatch (#) following an AIN, MRC, Reply Code or Drawing Number indicates for "ALL EXCEPT USA" use only.

5. Indexes

a. Index of Data Requirements

This index is arranged in alphabetic sequence by Master Requirement Code, cross-referenced to the applicable data requirement and page number(s).

b. Index of Approved Item Names

This index is arranged in alphabetic sequence referenced to Applicability Key.

c. Applicability Key Index

This index is arranged in Applicability Key Sequence.

6. Maintenance

Requests for revisions and other changes will be directed to:

## MRC Index

## INDEX OF APPROVED ITEM NAMES COVERED BY THIS FIIG

| Approved Item Name | INC | App Key |
|---|---|---|
| FORGE, COAL BURNING | 05641 | HA |
| FURNACE, HEAT TREATING, ELECTRIC | 06243 | GA |

Excludes induction heating.

| | | |
|---|---|---|
| FURNACE, HEAT TREATING, GAS BURNING | 06239 | GB |
| HEAD, DISINTEGRATOR, ELECTRICAL DISCHARGE | 41467 | AA |

An item that produces an electric arc of various cutting heats used to remove broken drills, taps, tools, studs and the like from any size workpiece in any position without distorting the hole or the workpiece. It is part of a metal disintegrator.

| | | |
|---|---|---|
| HEAD, HAND WELDING TORCH | 39930 | EB |

That part of a hand-held TORCH, WELDING to which the TIP, WELDING TORCH is attached.

| | | |
|---|---|---|
| POWER UNIT, WIRE FEEDER, WELDING | 53677 | AA |

An item designed to regulate the arc voltage and to maintain electricity to the wire feed rolls housed in a welding spool gun.

| | | |
|---|---|---|
| TANK, HOT DIP, DIRECTLY HEATED | 06562 | JA |

A metal vessel with a heating unit for applying heat directly to the vessel, or with an immersion type heating unit mounted so as to heat the inclosed material.

| | | |
|---|---|---|
| TANK, HOT DIP, INDIRECTLY HEATED | 06563 | JA |

A metal vessel so designed that the inclosed material is heated by a heating unit through the medium of a heat transferring oil.

| | | |
|---|---|---|
| TIP, CUTTING TORCH | 25168 | FA |

A metal device in the form of a short tube which is attached to the outlet end of a TORCH, CUTTING. Excludes TIP, WELDING TORCH.

| | | |
|---|---|---|
| TIP, WELDING TORCH | 25169 | FB |

A metal device in the form of a short tube which is attached to the outlet end of a TORCH, WELDING. Excludes TIP, CUTTING TORCH.

| Approved Item Name | INC | App Key |
|---|---|---|
| TORCH, CUTTING | 15653 | EA |

A tubular shaped item, hand or machine held, with a torch head at one end permitting use of various tips to be screwed in or on for different cutting conditions. The other end has provisions for attaching a plasma hose or an oxygen and a fuel gas hose. Metal cutting or separation is effected by preheating and subsequent oxidation of the metal.

| | | |
|---|---|---|
| TORCH, WELDING | 15654 | EB |

A tubular shaped item designed for emitting a flame for uniting, reuniting or cutting ferrous metals. It consists of a handle (also known as a torch butt), gas mixing chamber and gas control valves. It does not include tips or attachments. Excludes TORCH, CUTTING; TORCH SET, CUTTING; TORCH SET, WELDING; TORCH OUTFIT, WELDING; TORCH OUTFIT, CUTTING.

| | | |
|---|---|---|
| TORCH, WELDING, GAS SHIELDED ARC | 33825 | CA |

A tubular or gun-shaped instrument, hand or machine held, for arc welding and providing an atmosphere of gas. It is designed to permit use of various tungsten electrodes for different welding in tungsten inert gas welding or various wire electrodes in carbon dioxide or metal inert-gas welding. Wire electrodes are fed through the torch in use. The item consists of a handle and a torch head. Excludes TORCH, WELDING. See also TORCH OUTFIT, WELDING, GAS SHIELDED ARC.

| | | |
|---|---|---|
| WELDING MACHINE, ARC | 03714 | AA |

A group of end items and/or parts required to perform single or multiwelding and/or cutting operations, by a nonpressure (fusion) electric arc process.

| | | |
|---|---|---|
| WELDING MACHINE, BAND SAW BLADE | 15907 | KA |

A device designed to join metal parts by electrical heat and pressure. The flash weld cycle is motor driven. Has provisions for annealing blade after making weld. May be provided with built-in grinder.

| | | |
|---|---|---|
| WELDING MACHINE, INVERTER | 51696 | AA |

An item designed to perform multiwelding and/or cutting operations by using a unique electrical arrangement to control the process.

| | | |
|---|---|---|
| WELDING MACHINE, RESISTANCE | 03715 | KA |

A group of end items and/or parts required to perform a pressure welding process for joining metal parts by electrical heat. It may include such parts as foot switches, transformers, mechanical and electronic heat controls, water and air cooling systems, electrode or tip holders, excluding electrodes and tips. It may have air and/or mechanically operated clamps, rocker arms or presses, and may be manually, semiautomatic or fully automatic controlled.

# APPLICABILITY KEY INDEX

| | AA |
|---|---|
| NAME | X |
| APGF | X |
| ATJK | AR |
| ANCY | AR |
| BDWW | AR |
| AMZE | AR |
| ATJL | AR |
| AYHQ | AR |
| ACDC | AR |
| ELEC | AR |
| FREQ | AR |
| FAAZ | AR |
| CDRN | AR |
| CDRP | AR |
| CDRQ | AR |
| ANYP | X |
| CDRR | X |
| CDRS | X |
| CDRT | X |
| ARSB | AR |
| CDRW | X |
| AAXX | X |
| AGDH | AR |
| ALRE | AR |
| CDRY | X |
| CDRZ | X |
| ANLH | AR |
| ANPN | AR |
| ANPP | AR |
| APTS | AR |
| BFLS | AR |
| AKYD | AR |
| FEAT | AR |
| TEST | AR |
| SPCL | AR |
| ZZZK | AR |
| ZZZT | AR |
| ZZZW | AR |
| ZZZX | AR |
| ZZZY | AR |
| CRTL | AR |
| PRPY | AR |
| ELRN | AR |
| ELCD | AR |
| AFJK | AR |
| AWJN | AR |
| SUPP | AR |
| FCLS | AR |

| | |
|---|---|
| FTLD | AR |
| TMDN | AR |
| RTSE | AR |
| RDAL | AR |
| NTRD | AR |
| ZZZV | AR |
| CXCY | AR |

| | CA |
|---|---|
| NAME | X |
| AEBJ | X |
| ARSB | AR |
| APHE | AR |
| ASBY | X |
| ACZV | X |
| CGTS | AR |
| ABRY | AR |
| CDSC | X |
| ABHP | X |
| AKYD | AR |
| FEAT | AR |
| TEST | AR |
| SPCL | AR |
| ZZZK | AR |
| ZZZT | AR |
| ZZZW | AR |
| ZZZX | AR |
| ZZZY | AR |
| CRTL | AR |
| PRPY | AR |
| ELRN | AR |
| ELCD | AR |
| AFJK | AR |
| AWJN | AR |
| SUPP | AR |
| FCLS | AR |
| FTLD | AR |
| TMDN | AR |
| RTSE | AR |
| RDAL | AR |
| NTRD | AR |
| ZZZV | AR |
| CXCY | AR |

| | EA | EB |
|---|---|---|
| NAME | X | X |
| APQB | X | X |
| AAFZ | X | X |
| APHE | X | X |
| ARRQ | AR | AR |
| FUEL | AR | AR |
| AAXL | AR | AR |
| CSXK | AR | AR |
| AJCQ | AR | |
| AWLS | X | X |
| AMRN | AR | AR |
| CGSQ | AR | AR |
| CGSR | AR | AR |
| AKYD | AR | AR |
| FEAT | AR | AR |
| TEST | AR | AR |
| SPCL | AR | AR |
| ZZZK | AR | AR |
| ZZZT | AR | AR |
| ZZZW | AR | AR |
| ZZZX | AR | AR |
| ZZZY | AR | AR |
| CRTL | AR | AR |
| PRPY | AR | AR |
| ELRN | AR | AR |
| ELCD | AR | AR |
| AFJK | AR | AR |
| AWJN | AR | AR |
| SUPP | AR | AR |
| FCLS | AR | AR |
| FTLD | AR | AR |
| TMDN | AR | AR |
| RTSE | AR | AR |
| RDAL | AR | AR |
| NTRD | AR | AR |
| ZZZV | AR | AR |
| CXCY | AR | AR |

| | FA | FB |
|---|---|---|
| NAME | X | X |
| MATL | X | X |
| FUEL | X | X |
| AAXL | AR | AR |
| STYL | X | X |
| AJXE | AR | AR |
| CWAL | X | |
| CTWB | AR | |
| ALBY | X | |
| AFJF | X | |
| CSXK | X | |
| AYAY | X | X |
| FEAT | AR | AR |
| TEST | AR | AR |
| SPCL | AR | AR |
| ZZZK | AR | AR |
| ZZZT | AR | AR |
| ZZZW | AR | AR |
| ZZZX | AR | AR |
| ZZZY | AR | AR |
| CRTL | AR | AR |
| PRPY | AR | AR |
| ELRN | AR | AR |
| ELCD | AR | AR |
| AFJK | AR | AR |
| AWJN | AR | AR |
| SUPP | AR | AR |
| FCLS | AR | AR |
| FTLD | AR | AR |
| TMDN | AR | AR |
| RTSE | AR | AR |
| RDAL | AR | AR |
| NTRD | AR | AR |
| ZZZV | AR | AR |
| CXCY | AR | AR |

| | GA | GB |
|---|---|---|
| NAME | X | X |
| APGF | X | X |
| AAXX | X | X |
| CFSP | X | |
| AEHZ | X | X |
| AFGA | X | X |
| AZFX | X | X |
| ACDC | X | |
| ELEC | AR | |
| ACZB | AR | |
| FAAZ | AR | |
| AARX | AR | AR |
| AFEF | AR | AR |
| ADJU | AR | AR |
| ADJT | AR | AR |
| AFMQ | AR | AR |
| CFSQ | X | |
| CFSR | X | X |
| NMBR | AR | AR |
| ABMZ | AR | AR |
| AEJZ | AR | AR |
| ABRY | AR | AR |
| ABGL | AR | AR |
| CFSS | AR | AR |
| CGSP | AR | AR |
| CFST | X | X |
| CFSW | X | X |
| AEKZ | | X |
| AELA | | AR |
| AELB | | AR |
| AELC | | AR |
| AELD | | AR |
| AKYD | AR | AR |
| FEAT | AR | AR |
| TEST | AR | AR |
| SPCL | AR | AR |
| ZZZK | AR | AR |
| ZZZT | AR | AR |
| ZZZW | AR | AR |
| ZZZX | AR | AR |
| ZZZY | AR | AR |
| CRTL | AR | AR |
| PRPY | AR | AR |
| ELRN | AR | AR |
| ELCD | AR | AR |
| AFJK | AR | AR |
| AWJN | AR | AR |
| SUPP | AR | AR |
| FCLS | AR | AR |
| FTLD | AR | AR |
| TMDN | AR | AR |
| RTSE | AR | AR |
| RDAL | AR | AR |

| | | |
|---|---|---|
| NTRD | AR | AR |
| ZZZV | AR | AR |
| CXCY | AR | AR |

| | HA |
|---|---|
| NAME | X |
| CFSX | X |
| CFSY | X |
| CFSZ | X |
| CFTB | X |
| CFTC | X |
| BLMY | X |
| CFTD | X |
| CFTF | X |
| APHE | AR |
| ACDC | AR |
| ELEC | AR |
| ACZB | AR |
| FAAZ | AR |
| ANCY | AR |
| AGUC | AR |
| AGXZ | AR |
| FEAT | AR |
| TEST | AR |
| SPCL | AR |
| ZZZK | AR |
| ZZZT | AR |
| ZZZW | AR |
| ZZZX | AR |
| ZZZY | AR |
| CRTL | AR |
| PRPY | AR |
| ELRN | AR |
| ELCD | AR |
| AFJK | AR |
| AWJN | AR |
| SUPP | AR |
| FCLS | AR |
| FTLD | AR |
| TMDN | AR |
| RTSE | AR |
| RDAL | AR |
| NTRD | AR |
| ZZZV | AR |
| CXCY | AR |

| | JA |
|---|---|
| NAME | X |
| ABAM | X |
| ACDC | AR |
| ELEC | AR |
| FREQ | AR |
| FAAZ | AR |
| AAYL | AR |
| AFPV | X |
| ABMZ | AR |
| AEJZ | AR |
| ABRY | AR |
| ABGL | AR |
| CFTJ | X |
| AZKQ | X |
| ALXA | X |
| CFTK | X |
| AAXX | AR |
| AKYD | AR |
| FEAT | AR |
| TEST | AR |
| SPCL | AR |
| ZZZK | AR |
| ZZZT | AR |
| ZZZW | AR |
| ZZZX | AR |
| ZZZY | AR |
| CRTL | AR |
| PRPY | AR |
| ELRN | AR |
| ELCD | AR |
| AFJK | AR |
| AWJN | AR |
| SUPP | AR |
| FCLS | AR |
| FTLD | AR |
| TMDN | AR |
| RTSE | AR |
| RDAL | AR |
| NTRD | AR |
| ZZZV | AR |
| CXCY | AR |

| | KA |
|---|---|
| NAME | X |
| APQB | X |
| APHE | X |
| CPZW | X |
| CDSG | AR |
| AQCL | AR |
| CDSH | AR |
| ANPJ | X |
| AMSE | AR |
| AXNP | AR |
| ACZB | AR |
| FAAZ | AR |
| CDSJ | X |
| AKYN | X |
| FEAT | AR |
| TEST | AR |
| SPCL | AR |
| ZZZK | AR |
| ZZZT | AR |
| ZZZW | AR |
| ZZZX | AR |
| ZZZY | AR |
| CRTL | AR |
| PRPY | AR |
| ELRN | AR |
| ELCD | AR |
| AFJK | AR |
| AWJN | AR |
| SUPP | AR |
| FCLS | AR |
| FTLD | AR |
| TMDN | AR |
| RTSE | AR |
| RDAL | AR |
| NTRD | AR |
| ZZZV | AR |
| CXCY | AR |

## Body

**SECTION: A**

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|
| ALL | | | |
| | NAME | D | ITEM NAME |

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED03714*)

ALL

| | | |
|---|---|---|
| APGF | D | DESIGN TYPE |

Definition: INDICATES THE DESIGN TYPE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APGFDEBK*; APGFDEBK$DEBL*)

| REPLY CODE | REPLY (AK54) |
|---|---|
| EBK | GENERATOR |
| EBL | RECTIFIER |
| EBM | TRANSFORMER |

NOTE FOR MRCS ATJK, CDRN, CDRP, AND CDRQ: IF REPLY CODE EBK IS ENTERED FOR MRC APGF, REPLY TO MRC ATJK. IF REPLY CODE EBM IS ENTERED FOR MRC APGF, REPLY TO MRCS CDRN, CDRP, AND CDRQ.

ALL* (See Note Above)

| | | |
|---|---|---|
| ATJK | D | POWER SOURCE |

Definition: THE SOURCE OF POWER WHICH DRIVES THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ATJKDAE*; ATJKDAC$DAE*)

| REPLY CODE | REPLY (AG27) |
|---|---|
| A | ANY ACCEPTABLE |

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|
| | | AC | DIESEL ENGINE |
| | | AD | ELECTRIC MOTOR |
| | | AE | GASOLINE ENGINE |
| | | AY | POWER TAKE-OFF |

NOTE FOR MRCS ANCY, BDWW, AMZE, ATJL, AYHQ, AND ACDC: IF REPLY CODE AC OR AE IS ENTERED FOR MRC ATJK, REPLY TO MRCS ANCY, AMZE, ATJL, AND AYHQ. IF REPLY CODE AD IS ENTERED FOR MRC ATJK, REPLY TO MRCS ANCY, BDWW, AMZE, AND ACDC.

ALL* (See Note Above)

ANCY B HORSEPOWER RATING

Definition: AN INDICATION OF THE RATED HORSEPOWER OF THE ITEM.

Reply Instructions: Enter the numeric value. (e.g., ANCYB12.0*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., ANCYKN*)

ALL* (See Note Preceding MRC ANCY)

BDWW J WATTAGE RATING

Definition: THE RATED POWER THAT AN ITEM CAN SAFELY CONSUME OR PROVIDE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., BDWWJAT750.0*; BDWWJBC4.250$$JBC6.000*)

| REPLY CODE | REPLY (AB49) |
|---|---|
| BC | KILOWATTS |
| AT | WATTS |

ALL* (See Note Preceding MRC ANCY)

AMZE B ROTATIONAL SPEED RATING IN RPM

Definition: THE SPEED AT WHICH AN ITEM HAS BEEN TESTED AND RATED TO PERFORM WITHOUT DAMAGE OR FAILURE OF THE ROTATING COMPONENTS, EXPRESSED IN REVOLUTIONS PER MINUTE.

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|

Reply Instructions: Enter the numeric value. (e.g., AMZEB1750.0*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., AMZEKN*)

ALL* (See Note Preceding MRC ANCY)

ATJL G ENGINE MANUFACTURER NAME

Definition: THE NAME OF THE MANUFACTURER OF THE ENGINE FURNISHED.

Reply Instructions: Enter the reply in clear text. (e.g., ATJLGCHRYSLER CORPORATION*)

ALL* (See Note Preceding MRC ANCY)

AYHQ G ENGINE MANUFACTURER IDENTIFYING NUMBER

Definition: THE NUMBER USED BY THE MANUFACTURER FOR IDENTIFYING THE ENGINE.

Reply Instructions: Enter the reply in clear text. (e.g., AYHQGMODEL NO. X123*)

ALL* (See Note Preceding MRC ANCY)

ACDC D CURRENT TYPE

Definition: INDICATES THE TYPE OF CURRENT WHETHER ALTERNATING, DIRECT, OR BOTH.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ACDCDB*; ACDCDB$DC*)

| REPLY CODE | REPLY (AB62) |
|---|---|
| B | AC |
| C | DC |

NOTE FOR MRCS ELEC, FREQ, AND FAAZ: IF REPLY CODE B IS ENTERED FOR MRC ACDC, REPLY TO MRCS ELEC, FREQ, AND FAAZ. IF REPLY CODE C IS ENTERED FOR MRC ACDC, REPLY TO MRC ELEC.

ALL* (See Note Above)

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|
| | ELEC | B | VOLTAGE IN VOLTS |

Definition: THE TOTAL ELECTRICAL VOLTAGE.

Reply Instructions: Enter the numeric value. (e.g., ELECB208.0*; ELECB220.0$B440.0*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., ELECKN*)

ALL* (See Note Preceding MRC ELEC)

| | | | |
|---|---|---|---|
| | FREQ | B | FREQUENCY IN HERTZ |

Definition: THE CYCLES PER SECOND (HERTZ) OF THE ALTERNATING CURRENT.

Reply Instructions: Enter the numeric value. (e.g., FREQB60.0*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., FREQKN*)

ALL* (See Note Preceding MRC ELEC)

| | | | |
|---|---|---|---|
| | FAAZ | D | PHASE |

Definition: THE NUMBER OF ALTERNATING CURRENT PHASES.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., FAAZDC*; FAAZDA$$DC*; FAAZDB$DC*)

| REPLY CODE | REPLY (AD02) |
|---|---|
| A | SINGLE |
| C | THREE |
| B | TWO |

ALL* (See Note Preceding MRC ATJK)

| | | | |
|---|---|---|---|
| | CDRN | B | TRANSFORMER PRIMARY VOLTAGE IN VOLTS |

Definition: THE TOTAL PRIMARY VOLTAGE OF THE TRANSFORMER, EXPRESSED IN VOLTS.

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|

Reply Instructions: Enter the numeric value. (e.g., CDRNB220.0*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., CDRNKN*)

ALL* (See Note Preceding MRC ATJK)

CDRP J TRANSFORMER FREQUENCY IN HERTZ

Definition: THE CYCLES PER SECOND (HERTZ) OF THE ALTERNATING CURRENT OF THE TRANSFORMER.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., CDRPJA60.0*; CDRPJB50.0$$JC60.0*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., CDRPKN*)

| REPLY CODE | REPLY (AC20) |
|---|---|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

ALL* (See Note Preceding MRC ATJK)

CDRQ D TRANSFORMER PHASE

Definition: THE NUMBER OF ALTERNATING CURRENT PHASES OF THE TRANSFORMER.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CDRQDA*)

| REPLY CODE | REPLY (AD02) |
|---|---|
| A | SINGLE |
| C | THREE |
| B | TWO |

ALL

ANYP J OUTPUT CURRENT RATING IN AMPS

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|

Definition: THE CURRENT THE ITEM WILL PERMIT TO PASS, EXPRESSED IN AMPERES.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., ANYPJA200.0*; ANYPJB200.0$$JC250.0*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., ANYPKN*)

| REPLY CODE | REPLY (AC20) |
|---|---|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

ALL

CDRR D ARC CURRENT TYPE

Definition: INDICATES THE TYPE OF CURRENT OF THE ARC.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CDRRDC*; CDRRDB$DC*)

| REPLY CODE | REPLY (AB62) |
|---|---|
| B | AC |
| C | DC |

ALL

CDRS G MINIMUM CURRENT AT SPECIFIED VOLTAGE

Definition: THE MINIMUM CURRENT WHICH MUST BE MAINTAINED AT A SPECIFIED VOLTAGE.

Reply Instructions: Enter the reply in clear text. (e.g., CDRSG50 AMP AT 25 V*)

ALL

CDRT G MAXIMUM CURRENT AT SPECIFIED VOLTAGE

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|

Definition: THE MAXIMUM CURRENT WHICH MUST NOT BE EXCEEDED AT A SPECIFIC VOLTAGE.

Reply Instructions: Enter the reply in clear text. (e.g., CDRTG400 AMP AT 40 V*)

ALL*

ARSB D WELDING PROCESS FOR WHICH DESIGNED

Definition: THE TYPE OF WELD FOR WHICH THE ITEM IS DESIGNED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ARSBDAAR*; ARSBDAAR$$DAAL*)

| REPLY CODE | REPLY (AL66) |
|---|---|
| AAL | GAS METAL ARC |
| AAM | GAS SHIELDED ARC |
| AAR | INERT GAS METAL ARC |
| ABE | INERT GAS TUNGSTEN ARC |
| AAT | METAL ARC |
| AAZ | SUBMERGED ARC |

ALL

CDRW D OPERATOR TYPE FOR WHICH DESIGNED

Definition: INDICATES THE TYPE OF OPERATOR FOR WHICH THE ITEM IS DESIGNED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CDRWDACN*; CDRWDACN$$DAQP*; CDRWDACN$DAQP*)

| REPLY CODE | REPLY (AK54) |
|---|---|
| AQP | MULTIPLE |
| ACN | SINGLE |

ALL

AAXX D MOUNTING TYPE

Definition: INDICATES THE TYPE OF MOUNT UTILIZED TO SUPPORT THE ITEM.

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AAXXDAU*; AAXXDBF$$DAT*; AAXXDAT$DAU*)

| REPLY CODE | REPLY (AA78) |
|---|---|
| BF | BASE |
| AT | SKID |
| AU | WHEEL (Caster(s)) |

NOTE FOR MRCS AGDH AND ALRE: IF REPLY CODE AU IS ENTERED FOR MRC AAXX, REPLY TO MRCS AGDH AND ALRE.

ALL* (See Note Above)

AGDH A WHEEL QUANTITY

Definition: THE NUMBER OF WHEELS INCLUDED ON THE ITEM.

Reply Instructions: Enter the quantity. (e.g., AGDHA4*; AGDHA3$A4*)

ALL* (See Note Preceding MRC AGDH)

ALRE D TIRE TYPE

Definition: INDICATES THE TYPE OF TIRE(S) PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ALREDAD*; ALREDAD$$DAC*; ALREDAD$DAC*)

| REPLY CODE | REPLY (AH67) |
|---|---|
| A | ANY ACCEPTABLE |
| AL | METAL |
| AM | PLASTIC |
| AD | PNEUMATIC |
| AK | SEMIPNEUMATIC |
| AB | SOLID RUBBER |
| AC | STEEL |

ALL

CDRY D REMOTE CONTROL DESIGN

Definition: AN INDICATION OF WHETHER OR NOT A REMOTE CONTROL DESIGN IS INCLUDED.

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CDRYDB*; CDRYDB$DC*)

| REPLY CODE | REPLY (AA49) |
|---|---|
| B | INCLUDED |
| C | NOT INCLUDED |

ALL

CDRZ D AUXILIARY POWER OUTPUT DESIGN

Definition: AN INDICATION OF WHETHER OR NOT AN AUXILIARY POWER OUTPUT DESIGN IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CDRZDB*; CDRZDB$DC*)

| REPLY CODE | REPLY (AA49) |
|---|---|
| B | INCLUDED |
| C | NOT INCLUDED |

NOTE FOR MRCS ANLH AND ANPN: IF REPLY CODE B IS ENTERED FOR MRC CDRZ, REPLY TO MRCS ANLH AND ANPN.

ALL* (See Note Above)

ANLH J POWER OUTPUT RATING

Definition: THE RATED POWER OUTPUT FOR WHICH THE ITEM IS DESIGNED.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., ANLHJL3.0*; ANLHJW3000.0*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., ANLHKN*)

| REPLY CODE | REPLY (AC33) |
|---|---|
| L | KILOWATTS |
| W | WATTS |

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|

ALL* (See Note Preceding MRC ANLH)

ANPN D OUTPUT CURRENT TYPE

Definition: INDICATES THE TYPE OF OUTPUT CURRENT WHETHER ALTERNATING, DIRECT, OR BOTH.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ANPNDC*; ANPNDB$DC*)

| REPLY CODE | REPLY (AB62) |
|---|---|
| B | AC |
| C | DC |

NOTE FOR MRCS ANPP, APTS, AND BFLS: IF REPLY CODE B IS ENTERED FOR MRC ANPN, REPLY TO MRCS ANPP, APTS, AND BFLS. IF REPLY CODE C IS ENTERED FOR MRC ANPN, REPLY TO MRC ANPP.

ALL* (See Note Above)

ANPP J OUTPUT VOLTAGE RATING IN VOLTS

Definition: THE OUTPUT VOLTAGE RATING AT WHICH THE ITEM IS DESIGNED TO OPERATE, EXPRESSED IN VOLTS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., ANPPJA115.0*; ANPPJB115.0$$JC120.0*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., ANPPKN*)

| REPLY CODE | REPLY (AC20) |
|---|---|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

ALL* (See Note Preceding MRC ANPP)

APTS J OUTPUT FREQUENCY RATING

Definition: THE NUMBER OF COMPLETE CYCLIC CHANGES, PER UNIT OF TIME, FOR WHICH THE OUTPUT IS RATED.

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., APTSJEA60.0*; APTSJKA0.06*; APTSJEB50.0$$JEC60.0*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., APTSKN*)

Table 1

| REPLY CODE | REPLY (AC32) |
|---|---|
| E | HERTZ |
| K | KILOHERTZ |

Table 2

| REPLY CODE | REPLY (AC20) |
|---|---|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

ALL* (See Note Preceding MRC ANPP)

BFLS D OUTPUT PHASE

Definition: THE NUMBER OF OUTPUT ALTERNATING CURRENT PHASES.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BFLSDA*; BFLSDB$DC*)

| REPLY CODE | REPLY (AD02) |
|---|---|
| A | SINGLE |
| C | THREE |
| B | TWO |

ALL*

AKYD G ACCESSORY COMPONENTS AND QUANTITY

Definition: THE NAME AND NUMBER OF PARTS SUPPLIED WITH THE ITEM WHICH MAY BE REQUIRED FOR APPLICATION.

Reply Instructions: Enter the reply in clear text. (e.g., AKYDGTOOL KIT, 1*)

**SECTION: C**

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|
| ALL | | | |
| | NAME | D | ITEM NAME |

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED20377*)

| | | | |
|---|---|---|---|
| ALL | | | |
| | AEBJ | B | CONTINUOUS CURRENT RATING IN AMPS |

Definition: THE MAXIMUM DIRECT CURRENT, OR ROOT MEAN SQUARE CURRENT AT RATED FREQUENCY, THAT AN ITEM WILL CARRY CONTINUOUSLY.

Reply Instructions: Enter the numeric value. (e.g., AEBJB75.0*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., AEBJKN*)

| | | | |
|---|---|---|---|
| ALL* | | | |
| | ARSB | D | WELDING PROCESS FOR WHICH DESIGNED |

Definition: THE TYPE OF WELD FOR WHICH THE ITEM IS DESIGNED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ARSBDAAR*; ARSBDAAR$$DAAL*)

| REPLY CODE | REPLY (AL66) |
|---|---|
| AAL | GAS METAL ARC |
| AAM | GAS SHIELDED ARC |
| AAR | INERT GAS METAL ARC |
| ABE | INERT GAS TUNGSTEN ARC |

| | | | |
|---|---|---|---|
| ALL* | | | |
| | APHE | D | OPERATION METHOD |

Definition: THE MEANS USED TO OPERATE THE ITEM.

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APHEDAAAP*)

| REPLY CODE | REPLY (AC58) |
|---|---|
| AAAP | HAND |
| AACM | MACHINE |

ALL

ASBY J ELECTRODE DIAMETER FOR WHICH DESIGNED

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE ELECTRODE FOR WHICH THE ITEM IS DESIGNED, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ASBYJAA0.250*; ASBYJLA6.3*; ASBYJAB0.125$$JAC0.250*)

Table 1

| REPLY CODE | REPLY (AA05) |
|---|---|
| A | INCHES |
| L | MILLIMETERS |

Table 2

| REPLY CODE | REPLY (AC20) |
|---|---|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

ALL

ACZV D COOLING MEDIUM

Definition: THE COOLING MEDIUM USED TO MAINTAIN THE REQUIRED OPERATING TEMPERATURE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ACZVDAABA*; ACZVDAABA$$DAAAG*; ACZVDAABA$DAAAG*)

| REPLY CODE | REPLY (AB75) |
|---|---|

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|
| | | AABA | AIR |
| | | AAAG | WATER |

ALL*

CGTS D CONVEYING COMPONENT

Definition: AN INDICATION OF THE CONVEYING COMPONENT(S) PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CGTSDAT*; CGTSDAT$$DAW*)

| REPLY CODE | REPLY (AM42) |
|---|---|
| AT | CABLE |
| AW | HOSE |

NOTE FOR MRC ABRY: IF A REPLY IS ENTERED FOR MRC CGTS, REPLY TO MRC ABRY.

ALL* (See Note Above)

ABRY J LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF ANY OBJECT, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABRYJFA15.000*; ABRYJMA4.6*; ABRYJFB12.000$$JFC15.000*)

Table 1

| REPLY CODE | REPLY (AA05) |
|---|---|
| F | FEET |
| M | METERS |

Table 2

| REPLY CODE | REPLY (AC20) |
|---|---|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|
| ALL | | | |
| | CDSC | D | REVERSIBLE HEAD ANGLE |

Definition: AN INDICATION OF WHETHER OR NOT A REVERSIBLE HEAD ANGLE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CDSCDB*; CDSCDB$DC*)

| REPLY CODE | REPLY (AA49) |
|---|---|
| B | INCLUDED |
| C | NOT INCLUDED |

ALL

ABHP J OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value, excluding length of hose or cable. (e.g., ABHPJAA8.750*; ABHPJLA222.2*; ABHPJAB8.500$$JAC8.750*)

Table 1

| REPLY CODE | REPLY (AA05) |
|---|---|
| A | INCHES |
| L | MILLIMETERS |

Table 2

| REPLY CODE | REPLY (AC20) |
|---|---|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

ALL*

AKYD G ACCESSORY COMPONENTS AND QUANTITY

Definition: THE NAME AND NUMBER OF PARTS SUPPLIED WITH THE ITEM WHICH MAY BE REQUIRED FOR APPLICATION.

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|
| | Reply Instructions: Enter the reply in clear text. (e.g., AKYDGEXTENSION CAP, 4*) | | |

**SECTION: E**

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|
| ALL | | | |
| | NAME | D | ITEM NAME |

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED15653*)

| | | | |
|---|---|---|---|
| ALL | | | |
| | APQB | D | UNIT TYPE |

Definition: INDICATES THE TYPE OF UNIT.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APQBDCNB*)

| REPLY CODE | REPLY (AK95) |
|---|---|
| CNB | COMBUSTION |
| AXX | CUTTING |
| CNA | WELDING |

| | | | |
|---|---|---|---|
| ALL | | | |
| | AAFZ | D | BODY MATERIAL |

Definition: THE BASIC MATERIAL OF WHICH THE BODY IS FABRICATED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AAFZDBN0000*; AAFZDBR0000$$DST0000*; AAFZDBR0000$DBN0000*)

| REPLY CODE | REPLY (AD09) |
|---|---|
| A | ANY ACCEPTABLE |
| BR0000 | BRASS |
| BN0000 | BRONZE |
| ST0000 | STEEL |
| STD000 | STEEL, STAINLESS |

ALL

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|
| | APHE | D | OPERATION METHOD |

Definition: THE MEANS USED TO OPERATE THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APHEDAAAP*; APHEDAAAP$$DAACM*; APHEDAAAP$DAACM*)

| REPLY CODE | REPLY (AC58) |
|---|---|
| AAAP | HAND |
| AACM | MACHINE |

ALL*

| | | | |
|---|---|---|---|
| | ARRQ | A | COMMERCIAL SIZE |

Definition: THE SIZE BY WHICH THE ITEM IS COMMERCIALLY RECOGNIZED.

Reply Instructions: Enter the size. (e.g., ARRQA00*; ARRQA2*)

ALL*

| | | | |
|---|---|---|---|
| | FUEL | D | FUEL TYPE |

Definition: INDICATES THE TYPE OF THE FUEL(S) FOR WHICH THE ITEM IS DESIGNED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., FUELDBZ*; FUELDCS$DAD*)

| REPLY CODE | REPLY (AF80) |
|---|---|
| BZ | ACETYLENE |
| CQ | ARGON |
| CR | HELIUM |
| CS | HYDROGEN |
| AZ | LIQUID PETROLEUM GAS (LPG) |
| BA | MANUFACTURED GAS |
| AD | NATURAL GAS |
| CT | NITROGEN |
| CW | OXYGEN |
| AF | PROPANE |

ALL*

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|
| | AAXL | J | DISCHARGE FLOW RATE |

Definition: THE RATED CAPACITY OF GAS DELIVERED BY THE LAST STAGE OF COMPRESSION.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AAXLJMS0.0*)

| REPLY CODE | REPLY (AC64) |
|---|---|
| M | GALLONS PER MINUTE |
| D | LITERS PER HOUR |

ALL*

| | | | |
|---|---|---|---|
| | CSXK | J | MATERIAL NOMINAL THICKNESS ACCOMMODATED |

Definition: THE NOMINAL THICKNESS OF THE MATERIAL THE ITEM IS DESIGNED TO ACCOMMODATE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., CSXKJA0.500*; CSXKJL3.0*)

| REPLY CODE | REPLY (AA05) |
|---|---|
| A | INCHES |
| L | MILLIMETERS |

EA*

| | | | |
|---|---|---|---|
| | AJCQ | J | HEAD ANGLE IN DEG |

Definition: THE ANGLE OF THE HEAD, EXPRESSED IN DEGREES.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AJCQJA90.0*; AJCQJB90.0$$JC92.0*)

When the source document specifies other than head angle, omit reply to this requirement.

| REPLY CODE | REPLY (AC20) |
|---|---|
| A | NOMINAL |
| B | MINIMUM |

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|
| | | C | MAXIMUM |

ALL

AWLS D CONNECTION TYPE

Definition: INDICATES THE TYPE OF CONNECTION(S).

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AWLSDCT*; AWLSDPF$DCT*)

| REPLY CODE | REPLY (AB76) |
|---|---|
| PF | HOSE NIPPLE |
| CT | THREADED MALE |

NOTE FOR MRC AMRN: IF REPLY CODE PF IS ENTERED FOR MRC AWLS, REPLY TO MRC AMRN.

ALL* (See Note Above)

AMRN J SIZE DESIGNATOR

Definition: A DESIGNATION INDICATING THE SIZE BY WHICH THE ITEM IS COMMERCIALLY KNOWN AND/OR IDENTIFIED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AMRNJAA0.375*; AMRNJLA9.5*; AMRNJAB0.250$$JAC0.375*)

Table 1

| REPLY CODE | REPLY (AA05) |
|---|---|
| A | INCHES |
| L | MILLIMETERS |

Table 2

| REPLY CODE | REPLY (AC20) |
|---|---|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

ALL*

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|
| | CGSQ | G | SUPPLY TIP AND QUANTITY |
| | Definition: A LISTING OF THOSE TIPS WHICH ARE COMPRISED OF A NATIONAL STOCK NUMBER, AN ITEM NAME, STANDARDIZED NAME, OR PART NAME, AND THE NUMBER OF EACH. | | |
| | Reply Instructions: Enter the reply in clear text. | | |
| | (e.g., CGSQG3433-00-123-4567 TIP, CUTTING, 1*) | | |
| ALL* | | | |
| | CGSR | G | NONSUPPLY TIP AND QUANTITY |
| | Definition: A LISTING OF THOSE TIPS, OUTSIDE THE SCOPE OF AN ITEM OF SUPPLY TO BE CATALOGED, AS INDICATED BY THE NAME OF THE MANUFACTURER, AND THE NAME AND NUMBER OF THE ITEM AS IDENTIFIED BY THE MANUFACTURER, AND THE NUMBER OF EACH. | | |
| | Reply Instructions: Enter the reply in clear text. (e.g., CGSRGNATIONAL CYLINDER GAS CO. 55 TIP, 1*) | | |
| ALL* | | | |
| | AKYD | G | ACCESSORY COMPONENTS AND QUANTITY |
| | Definition: THE NAME AND NUMBER OF PARTS SUPPLIED WITH THE ITEM WHICH MAY BE REQUIRED FOR APPLICATION. | | |
| | Reply Instructions: Enter the reply in clear text. (e.g., AKYDGWRENCH, 1*) | | |

**SECTION: F**

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|
| ALL | | | |
| | NAME | D | ITEM NAME |

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED25168*)

| | | | |
|---|---|---|---|
| ALL | | | |
| | MATL | D | MATERIAL |

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., MATLDCU0000*; MATLDCU0000$$DST0000*; MATLDCK0000$DST0000*)

| REPLY CODE | REPLY (AD09) |
|---|---|
| A | ANY ACCEPTABLE |
| CU0000 | COPPER |
| CK0000 | COPPER ALLOY |
| CK0909 | COPPER ALLOY, F470, TESCOM CORP |
| ST0000 | STEEL |
| TUB000 | TELLURIUM |

| | | | |
|---|---|---|---|
| ALL | | | |
| | FUEL | D | FUEL TYPE |

Definition: INDICATES THE TYPE OF FUEL(S) FOR WHICH THE ITEM IS DESIGNED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., FUELDBZ*; FUELDBZ$$DCW*; FUELDAZ$DAF*)

| REPLY CODE | REPLY (AF80) |
|---|---|
| BZ | ACETYLENE |
| CQ | ARGON |
| CR | HELIUM |
| CS | HYDROGEN |
| AZ | LIQUID PETROLEUM GAS (LP) |

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|
| | | BA | MANUFACTURED GAS |
| | | AD | NATURAL GAS |
| | | CT | NITROGEN |
| | | CW | OXYGEN |
| | | AF | PROPANE |

ALL*

AAXL J DISCHARGE FLOW RATE

Definition: THE RATED CAPACITY OF GAS DELIVERED BY THE LAST STAGE OF COMPRESSION.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AAXLJMS0.0*)

| REPLY CODE | REPLY (AC64) |
|---|---|
| M | GALLONS PER MINUTE |
| D | LITERS PER HOUR |

ALL

STYL L STYLE DESIGNATOR

Definition: THE STYLE DESIGNATION INDICATING THE CONFIGURATION THAT MOST NEARLY CORRESPONDS TO THE APPEARANCE OF THE ITEM.

Reply Instructions: Enter the style number from Appendix B , Reference Drawing Group A. (e.g., STYLL1A*)

ALL*

AJXE A SIZE DESIGNATOR

Definition: A DESIGNATION INDICATING THE SIZE BY WHICH THE ITEM IS COMMERCIALLY KNOWN AND/OR IDENTIFIED.

Reply Instructions: Enter the size designation.

(e.g., AJXEA00-2*;

AJXEA00-2$A00-4*)

FA

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|
| | CWAL | J | PREHEAT ORIFICE SHAPE AND QUANTITY |

Definition: THE PHYSICAL CONFIGURATION AND NUMBER OF PREHEAT ORIFICES INCLUDED ON THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the quantity. (e.g., CWALJAPL6*)

| REPLY CODE | REPLY (AD07) |
|---|---|
| APL | ROUND |
| ARY | SLOTTED |

FA*

| | | | |
|---|---|---|---|
| | CTWB | A | PREHEAT ORIFICE SIZE DESIGNATOR |

Definition: A DESIGNATION THAT IS USED TO INDICATE THE DRILL SIZE NUMBER OF THE PREHEAT ORIFICE.

Reply Instructions: Enter the size designation. (e.g., CTWBA78*)

FA

| | | | |
|---|---|---|---|
| | ALBY | D | USAGE DESIGN |

Definition: INDICATES THE DESIGNED USE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ALBYDAAY*; ALBYDBAT$DAAY*)

| REPLY CODE | REPLY (AH21) |
|---|---|
| BAT | MACHINE |
| AAY | MANUAL |

FA

| | | | |
|---|---|---|---|
| | AFJF | D | SPECIFIC USE |

Definition: THE REQUIRED PURPOSE OR APPLICATION FOR WHICH THE ITEM IS DESIGNED.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 3. (e.g., AFJFDQT*; AFJFDQT$$DQY*)

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|
| FA | | | |
| | CSXK | J | MATERIAL NOMINAL THICKNESS ACCOMMODATED |

Definition: THE NOMINAL THICKNESS OF THE MATERIAL THE ITEM IS DESIGNED TO ACCOMMODATE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., CSXKJA0.500*; CSXKJL3.0*)

| REPLY CODE | REPLY (AA05) |
|---|---|
| A | INCHES |
| L | MILLIMETERS |

ALL

| | | | |
|---|---|---|---|
| | AYAY | D | ATTACHMENT METHOD |

Definition: THE MEANS USED TO ATTACH THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AYAYDLQ*; AYAYDLQ$DLS*)

| REPLY CODE | REPLY (AF69) |
|---|---|
| LQ | PRESS-FIT (Friction) |
| LS | SNAP-LOCK |
| LR | THREAD |

**SECTION: G**

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|
| ALL | | | |
| | NAME | D | ITEM NAME |

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED06243*)

| | | | |
|---|---|---|---|
| ALL | | | |
| | APGF | D | DESIGN TYPE |

Definition: INDICATES THE DESIGN TYPE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. (e.g., APGFDEHK*; APGFDEDE$$DEDW*; APGFDECR$DECS*)

For determining the applicable Reply Code, see Appendix C, Table 1.

| | | | |
|---|---|---|---|
| ALL | | | |
| | AAXX | D | MOUNTING TYPE |

Definition: INDICATES THE TYPE OF MOUNT UTILIZED TO SUPPORT THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AAXXDCA*; AAXXDBT$DCA*)

| REPLY CODE | REPLY (AA78) |
|---|---|
| BT | BENCH |
| CA | FLOOR |

| | | | |
|---|---|---|---|
| GA | | | |
| | CFSP | B | WATTAGE RATING IN KILOWATTS |

Definition: THE RATED POWER THAT AN ITEM CAN SAFELY CONSUME OR PROVIDE, MEASURED IN KILOWATTS.

Reply Instructions: Enter the numeric value. (e.g., CFSPB35.0*)

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., CFSPKN*)

ALL

AEHZ J MAXIMUM OPERATING TEMP

Definition: THE MAXIMUM TEMPERATURE AT WHICH THE ITEM IS RATED TO OPERATE FOR AN EXTENDED PERIOD OF TIME.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AEHZJF2000.0*; AEHZJC1112.0*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., AEHZKN*)

| REPLY CODE | REPLY (AB36) |
|---|---|
| C | DEG CELSIUS |
| F | DEG FAHRENHEIT |

ALL

AFGA J OPERATING TEMP RANGE

Definition: THE MINIMUM AND MAXIMUM LIMITS OF TEMPERATURE AT WHICH THE ITEM IS RATED FOR OPERATION.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric values. (e.g., AFGAJFP650.0/P2500.0*; AFGAJCP361.4/P1390.0*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., AFGAKN*)

| REPLY CODE | REPLY (AB36) |
|---|---|
| C | DEG CELSIUS |
| F | DEG FAHRENHEIT |

ALL

AZFX D TEMP CONTROL DEVICE TYPE

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|

Definition: INDICATES THE TYPE OF TEMPERATURE CONTROL DEVICE PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZFXDAX*; AZFXDAW$$DAX*; AZFXDAW$DEL*)

| REPLY CODE | REPLY (AH83) |
|---|---|
| AW | AUTOMATIC |
| EL | MAGNETIC |
| AX | MANUAL |

GA

ACDC D CURRENT TYPE

Definition: INDICATES THE TYPE OF CURRENT WHETHER ALTERNATING, DIRECT, OR BOTH.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ACDCDB*; ACDCDB$DC*)

| REPLY CODE | REPLY (AB62) |
|---|---|
| B | AC |
| C | DC |

NOTE FOR MRCS ELEC, ACZB, AND FAAZ: IF REPLY CODE B IS ENTERED FOR MRC ACDC, REPLY TO MRCS ELEC, ACZB, AND FAAZ. IF REPLY CODE C IS ENTERED FOR MRC ACDC, REPLY TO MRC ELEC.

GA* (See Note Above)

ELEC B VOLTAGE IN VOLTS

Definition: THE TOTAL ELECTRICAL VOLTAGE.

Reply Instructions: Enter the numeric value. (e.g., ELECB115.0*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., ELECKN*)

GA* (See Note Preceding MRC ELEC)

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|
| | ACZB | J | FREQUENCY RATING |

Definition: THE NUMBER OF COMPLETE CYCLIC CHANGES, PER UNIT OF TIME, FOR WHICH AN ITEM IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ACZBJEA60.0*; ACZBJKA0.06*; ACZBJEB50.0$$JEC60.0*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., ACZBKN*)

Table 1

| REPLY CODE | REPLY (AC32) |
|---|---|
| E | HERTZ |
| K | KILOHERTZ |

Table 2

| REPLY CODE | REPLY (AC20) |
|---|---|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

GA* (See Note Preceding MRC ELEC)

| | | | |
|---|---|---|---|
| | FAAZ | D | PHASE |

Definition: THE NUMBER OF ALTERNATING CURRENT PHASES.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., FAAZDA*; FAAZDB$DC*)

| REPLY CODE | REPLY (AD02) |
|---|---|
| A | SINGLE |
| C | THREE |
| B | TWO |

ALL*

| | | | |
|---|---|---|---|
| | AARX | J | INSIDE DIAMETER |

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A CIRCULAR FIGURE OR BODY, AND TERMINATES AT THE INSIDE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AARXJAA8.000*; AARXJLA203.2*; AARXJAB8.000$$JAC8.250*)

Table 1

| REPLY CODE | REPLY (AA05) |
|---|---|
| A | INCHES |
| L | MILLIMETERS |

Table 2

| REPLY CODE | REPLY (AC20) |
|---|---|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

ALL*

AFEF J INSIDE DEPTH

Definition: AN INSIDE MEASUREMENT BETWEEN SPECIFIED POINTS ON AN ITEM, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AFEFJAA6.000*; AFEFJLA152.4*; AFEFJAB6.000$$JAC6.250*)

Table 1

| REPLY CODE | REPLY (AA05) |
|---|---|
| A | INCHES |
| L | MILLIMETERS |

Table 2

| REPLY CODE | REPLY (AC20) |
|---|---|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

ALL*

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|
| | ADJU | J | INSIDE LENGTH |

Definition: A MEASUREMENT OF THE LONGEST INSIDE DIMENSION OF AN ITEM, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADJUJAA30.000*; ADJUJLA762.0*; ADJUJAB30.000$$JAC30.250*)

Table 1

| REPLY CODE | REPLY (AA05) |
|---|---|
| A | INCHES |
| L | MILLIMETERS |

Table 2

| REPLY CODE | REPLY (AC20) |
|---|---|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

ALL*

| | | | |
|---|---|---|---|
| | ADJT | J | INSIDE WIDTH |

Definition: AN INSIDE MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADJTJAA15.000*; ADJTJLA381.0*; ADJTJAB15.000$$JAC15.125*)

Table 1

| REPLY CODE | REPLY (AA05) |
|---|---|
| A | INCHES |
| L | MILLIMETERS |

Table 2

| REPLY CODE | REPLY (AC20) |
|---|---|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

ALL*

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|
| | AFMQ | J | INSIDE HEIGHT |

Definition: AN INSIDE MEASUREMENT FROM THE BOTTOM TO THE TOP OF AN ITEM, IN DISTINCTION FROM DEPTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AFMQJAA12.000*; AFMQJLA304.8*; AFMQJAB12.000$$JAC12.250*)

Table 1

| REPLY CODE | REPLY (AA05) |
|---|---|
| A | INCHES |
| L | MILLIMETERS |

Table 2

| REPLY CODE | REPLY (AC20) |
|---|---|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

GA

| | | | |
|---|---|---|---|
| | CFSQ | D | TILTING HEARTH |

Definition: AN INDICATION OF WHETHER OR NOT A TILTING HEARTH IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CFSQDB*; CFSQDB$DC*)

| REPLY CODE | REPLY (AA49) |
|---|---|
| B | INCLUDED |
| C | NOT INCLUDED |

ALL

| | | | |
|---|---|---|---|
| | CFSR | D | WORK HOLDING BASKET |

Definition: AN INDICATION OF WHETHER OR NOT A WORK HOLDING BASKET IS INCLUDED.

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CFSRDB$DC*)

| REPLY CODE | REPLY (AA49) |
|---|---|
| B | INCLUDED |
| C | NOT INCLUDED |

NOTE FOR MRCS NMBR, ABMZ, AEJZ, ABRY, AND ABGL: IF REPLY CODE B S ENTERED FOR MRC CFSR, AND THE WORKING BASKET IS CYLINDRICAL SHAPE, REPLY TO MRCS NMBR, ABMZ, AND AEJZ. IF REPLY CODE B IS ENTERED FOR MRC CFSR, AND THE WORKING BASKET IS OTHER THAN CYLINDRICAL SHAPE, REPLY TO MRCS NMBR, ABRY, ABGL, AND AEJZ. ENTER A REPLY TO THE ABOVE LISTED MRCS FOR EACH DIFFERENT SIZE BASKET.

ALL* (See Note Above)

NMBR A QUANTITY

Definition: A NUMERIC VALUE WHICH REPRESENTS A POSITIVE WHOLE VALUE WITHOUT REGARD TO ANY UNIT OF MEASURE.

Reply Instructions: Enter the quantity. (e.g., NMBRA2*; NMBRA1$$A4*)

ALL* (See Note Preceding MRC NMBR)

ABMZ J DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A CIRCULAR FIGURE OR BODY, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMZJAA21.750*; ABMZJLA552.4*; ABMZJAB21.625$$JAC21.750*; ABMZJAA21.750$$JAA23.000*)

Table 1

| REPLY CODE | REPLY (AA05) |
|---|---|
| A | INCHES |
| L | MILLIMETERS |

Table 2

| REPLY CODE | REPLY (AC20) |
|---|---|
| A | NOMINAL |
| B | MINIMUM |

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|
| | | C | MAXIMUM |

ALL* (See Note Preceding MRC NMBR)

AEJZ J DEPTH

Definition: A LINEAR MEASUREMENT FROM THE SURFACE TO A SPECIFIED INNER POINT ON AN ITEM, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AEJZJAA36.000*; AEJZJLA914.4*; AEJZJAB36.000$$JAC36.250*; AEJZJAA36.000$$JAA38.000*)

Table 1

| REPLY CODE | REPLY (AA05) |
|---|---|
| A | INCHES |
| L | MILLIMETERS |

Table 2

| REPLY CODE | REPLY (AC20) |
|---|---|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

ALL* (See Note Preceding MRC NMBR)

ABRY J LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF ANY OBJECT, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABRYJAA20.000*; ABRYJLA508.0*; ABRYJAB20.000$$JAC20.125*; ABRYJAA20.000$$JAA23.000*)

Table 1

| REPLY CODE | REPLY (AA05) |
|---|---|
| A | INCHES |
| L | MILLIMETERS |

Table 2

| REPLY CODE | REPLY (AC20) |
|---|---|
| A | NOMINAL |
| B | MINIMUM |

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|
| | | C | MAXIMUM |

ALL* (See Note Preceding MRC NMBR)

ABGL J WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABGLJAA12.500*; ABGLJLA317.5*; ABGLJAB12.125$$JAC12.500*; ABGLJAA12.500$$JAA14.000*)

Table 1

| REPLY CODE | REPLY (AA05) |
|---|---|
| A | INCHES |
| L | MILLIMETERS |

Table 2

| REPLY CODE | REPLY (AC20) |
|---|---|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

ALL*

CFSS G DOOR/OPENING LOCATION AND QUANTITY

Definition: INDICATES THE LOCATION AND NUMBER OF DOORS AND/OR OPENINGS.

Reply Instructions: Enter the reply in clear text. (e.g., CFSSGDOOR IN FRONT, 2*)

ALL*

CGSP D ACCESS OPERATION METHOD

Definition: THE MEANS USED TO OPERATE THE ACCESS.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CGSPDAACS*; CGSPDAACQ$$DAACS*; CGSPDAACQ$DAACR*)

| REPLY CODE | REPLY (AC58) |
|---|---|

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|
| | | AACN | AIR OPERATED DOOR WITH FOOT OPERATED CONTROL VALVE |
| | | AACP | AIR PRESSURE OPERATED DOOR |
| | | A | ANY ACCEPTABLE |
| | | AACQ | MANUALLY OPERATED COVER |
| | | AACR | MANUALLY OPERATED DOOR |
| | | AACS | MECHANICALLY OPERATED COVER |
| | | AACT | MECHANICALLY OPERATED DOOR |

ALL

CFST D COUNTERWEIGHT

Definition: AN INDICATION OF WHETHER OR NOT A COUNTERWEIGHT(S) IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CFSTDB*; CFSTDB$DC*)

| REPLY CODE | REPLY (AA49) |
|---|---|
| B | INCLUDED |
| C | NOT INCLUDED |

ALL

CFSW D EQUIPMENT FOR FLAME CURTAIN

Definition: AN INDICATION OF WHETHER OR NOT EQUIPMENT FOR A FLAME CURTAIN IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CFSWDB*; CFSWDB$DC*)

| REPLY CODE | REPLY (AA49) |
|---|---|
| B | INCLUDED |
| C | NOT INCLUDED |

GB

AEKZ D MOTOR DRIVEN BLOWER UNIT

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|

Definition: AN INDICATION OF WHETHER OR NOT A MOTOR DRIVEN BLOWER UNIT IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AEKZDB*; AEKZDB$DC*)

| REPLY CODE | REPLY (AA49) |
|---|---|
| B | INCLUDED |
| C | NOT INCLUDED |

NOTE FOR MRC AELA: REPLY TO THIS MRC IF REPLY CODE B IS ENTERED FOR MRC AEKZ.

GB* (See Note Above)

AELA D BLOWER UNIT MOTOR CURRENT TYPE

Definition: INDICATES THE TYPE OF CURRENT FOR WHICH THE BLOWER UNIT MOTOR IS DESIGNED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AELADB*; AELADB$DC*)

| REPLY CODE | REPLY (AB62) |
|---|---|
| B | AC |
| C | DC |

NOTE FOR MRCS AELB, AELC, AND AELD: IF REPLY CODE B IS ENTERED FOR MRC AELA, REPLY TO MRCS AELB, AELC, AND AELD. IF REPLY CODE C IS ENTERED FOR MRC AELA, REPLY TO MRC AELB.

GB* (See Note Above)

AELB B BLOWER UNIT MOTOR VOLTAGE RATING IN VOLTS

Definition: THE ELECTRICAL VOLTAGE VALUE FOR WHICH THE BLOWER UNIT MOTOR IS RATED, EXPRESSED IN VOLTS.

Reply Instructions: Enter the numeric value. (e.g., AELBB220.0*)

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., AELBKN*)

GB* (See Note Preceding MRC AELB)

| | | |
|---|---|---|
| AELC | B | BLOWER UNIT MOTOR FREQUENCY IN HERTZ |

Definition: THE CYCLES PER SECOND (HERTZ) OF THE BLOWER UNIT MOTOR ALTERNATING CURRENT.

Reply Instructions: Enter the numeric value. (e.g., AELCB60.0*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., AELCKN*)

GB* (See Note Preceding MRC AELB)

| | | |
|---|---|---|
| AELD | D | BLOWER UNIT MOTOR INPUT PHASE |

Definition: THE NUMBER OF ALTERNATING CURRENT PHASES OF THE BLOWER UNIT MOTOR INPUT.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AELDDC*; AELDDB$DC*)

| REPLY CODE | REPLY (AD02) |
|---|---|
| A | SINGLE |
| C | THREE |
| B | TWO |

ALL*

| | | |
|---|---|---|
| AKYD | G | ACCESSORY COMPONENTS AND QUANTITY |

Definition: THE NAME AND NUMBER OF PARTS SUPPLIED WITH THE ITEM WHICH MAY BE REQUIRED FOR APPLICATION.

Reply Instructions: Enter the reply in clear text. (e.g., AKYDGHOOD W/FLUE PIPE, 1*)

**SECTION: H**

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|
| ALL | | | |
| | NAME | D | ITEM NAME |

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED05641*)

| | | | |
|---|---|---|---|
| ALL | | | |
| | CFSX | D | HEARTH MATERIAL |

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE HEARTH IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CFSXDFEA000*; CFSXDFEA000$$DST0000*; CFSXDFEA000$DST0000*)

| REPLY CODE | REPLY (AD09) |
|---|---|
| A | ANY ACCEPTABLE |
| FEA000 | IRON, CAST |
| ST0000 | STEEL |

| | | | |
|---|---|---|---|
| ALL | | | |
| | CFSY | D | HEARTH SHAPE |

Definition: THE PHYSICAL CONFIGURATION OF THE HEARTH.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CFSYDAND*; CFSYDAND$DAPL*)

| REPLY CODE | REPLY (AD07) |
|---|---|
| A | ANY ACCEPTABLE |
| AND | RECTANGULAR |
| APL | ROUND |
| ASL | SQUARE |

ALL

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|
| | CFSZ | J | HEARTH SIZE |

Definition: DESIGNATES THE SIZE OF THE TOTAL SURFACE OF THE HEARTH.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., CFSZJDD250.000*; CFSZJDE1613.0*)

| REPLY CODE | REPLY (AG67) |
|---|---|
| DE | SQUARE CENTIMETERS |
| DD | SQUARE INCHES |

ALL

| | | | |
|---|---|---|---|
| | CFTB | J | HEARTH NOMINAL DEPTH |

Definition: A MEASUREMENT BETWEEN SPECIFIED POINTS OF A HEARTH, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., CFTBJA7.000*; CFTBJL177.8*)

| REPLY CODE | REPLY (AA05) |
|---|---|
| A | INCHES |
| L | MILLIMETERS |

ALL

| | | | |
|---|---|---|---|
| | CFTC | D | COAL BOX |

Definition: AN INDICATION OF WHETHER OR NOT A COAL BOX IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CFTCDB*; CFTCDB$DC*)

| REPLY CODE | REPLY (AA49) |
|---|---|
| B | INCLUDED |
| C | NOT INCLUDED |

ALL

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|
| | BLMY | D | WATER TANK |

Definition: AN INDICATION OF WHETHER OR NOT A WATER TANK IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BLMYDB*; BLMYDB$DC*)

| REPLY CODE | REPLY (AA49) |
|---|---|
| B | INCLUDED |
| C | NOT INCLUDED |

ALL

| | | | |
|---|---|---|---|
| | CFTD | D | HOOD TYPE |

Definition: INDICATES OF THE TYPE OF HOOD PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CFTDDBRP*; CFTDDBRP$DEEJ*; CFTDDEEH$$DEEJ*)

| REPLY CODE | REPLY (AK54) |
|---|---|
| A | ANY ACCEPTABLE |
| EEH | DOWNDRAFT |
| CBJ | HALF |
| BRP | TELESCOPIC |
| EEJ | WINDSHIELD |

ALL

| | | | |
|---|---|---|---|
| | CFTF | D | BLOWER |

Definition: AN INDICATION OF WHETHER OR NOT A BLOWER IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CFTFDC*; CFTFDB$DC*)

| REPLY CODE | REPLY (AA49) |
|---|---|
| B | INCLUDED |
| C | NOT INCLUDED |

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|

NOTE FOR MRC APHE: IF REPLY CODE B IS ENTERED FOR MRC CFTF, REPLY TO THIS MRC.

ALL* (See Note Above)

APHE D OPERATION METHOD

Definition: THE MEANS USED TO OPERATE THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APHEDAACL*; APHEDAAAP$$DAACL*; APHEDAAAP$DAACL*)

| REPLY CODE | REPLY (AC58) |
|---|---|
| AAAP | HAND |
| AACL | MOTOR |

NOTE FOR MRC ACDC: IF REPLY CODE AACL IS ENTERED FOR MRC APHE, REPLY TO THIS MRC.

ALL* (See Note Above)

ACDC D CURRENT TYPE

Definition: INDICATES THE TYPE OF CURRENT WHETHER ALTERNATING, DIRECT, OR BOTH.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ACDCDB*; ACDCDB$DC*)

| REPLY CODE | REPLY (AB62) |
|---|---|
| B | AC |
| C | DC |

NOTE FOR MRCS ELEC, ACZB, FAAZ, AND ANCY: IF REPLY CODE B IS ENTERED FOR MRC ACDC, REPLY TO MRCS ELEC, ACZB, FAAZ, AND ANCY. IF REPLY CODE C IS ENTERED FOR MRC ACDC, REPLY TO MRCS ELEC AND ANCY.

ALL* (See Note Above)

ELEC B VOLTAGE IN VOLTS

Definition: THE TOTAL ELECTRICAL VOLTAGE.

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|

Reply Instructions: Enter the numeric value. (e.g., ELECB110.0*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., ELECKN*)

ALL* (See Note Preceding MRC ACDC)

ACZB J FREQUENCY RATING

Definition: THE NUMBER OF COMPLETE CYCLIC CHANGES, PER UNIT OF TIME, FOR WHICH AN ITEM IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ACZBJEA60.0*; ACZBJEB50.0$$JEC60.0*; ACZBJKA0.06*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., ACZBKN*)

Table 1

| REPLY CODE | REPLY (AC32) |
|---|---|
| E | HERTZ |
| K | KILOHERTZ |

Table 2

| REPLY CODE | REPLY (AC20) |
|---|---|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

ALL* (See Note Preceding MRC ACDC)

FAAZ D PHASE

Definition: THE NUMBER OF ALTERNATING CURRENT PHASES.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., FAAZDA*; FAAZDB$DC*)

| REPLY CODE | REPLY (AD02) |
|---|---|
| A | SINGLE |
| C | THREE |
| B | TWO |

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|

ALL* (See Note Preceding MRC ACDC)

ANCY B HORSEPOWER RATING

Definition: AN INDICATION OF THE RATED HORSEPOWER OF THE ITEM.

Reply Instructions: Enter the numeric value. (e.g., ANCYB10.0*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., ANCYKN*)

ALL*

AGUC A UNIT PACKAGE QUANTITY

Definition: THE NUMBER OF ITEMS CONTAINED IN THE UNIT PACKAGE.

Reply Instructions: Enter the quantity. (e.g., AGUCA2*; AGUCA1$A2*)

NOTE FOR MRC AGXZ: IF A REPLY IS ENTERED FOR MRC AGUC, REPLY TO MRC AGXZ.

ALL* (See Note Above)

AGXZ D UNIT PACKAGE TYPE

Definition: INDICATES THE TYPE OF CONTAINER IN WHICH THE ITEM OF SUPPLY IS PACKAGED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AGXZDAAAB*; AGXZDAAAH$DAAAB*)

| REPLY CODE | REPLY (AE96) |
|---|---|
| AAAH | BAG |
| AAAB | BOX |

**SECTION: J**

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|
| ALL | | | |
| | NAME | D | ITEM NAME |

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED06562*)

| | | | |
|---|---|---|---|
| ALL | | | |
| | ABAM | D | HEAT MEDIUM TYPE |

Definition: INDICATES THE HEAT MEDIUM TYPE FOR WHICH THE UNIT IS DESIGNED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ABAMDAAC*; ABAMDAAC$$DAAE*; ABAMDAAB$DAAC*)

| REPLY CODE | REPLY (AA94) |
|---|---|
| AAB | ELECTRIC |
| AAC | GAS |
| AAD | OIL |
| AAE | STEAM |

NOTE FOR MRCS ACDC AND AAYL: IF REPLY CODE AAB IS ENTERED FOR MRC ABAM, REPLY TO MRC ACDC. IF REPLY CODE AAE IS ENTERED FOR MRC ABAM, REPLY TO MRC AAYL.

| | | | |
|---|---|---|---|
| ALL* (See Note Above) | | | |
| | ACDC | D | CURRENT TYPE |

Definition: INDICATES THE TYPE OF CURRENT WHETHER ALTERNATING, DIRECT, OR BOTH.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ACDCDB*; ACDCDB$DC*)

| REPLY CODE | REPLY (AB62) |
|---|---|
| B | AC |
| C | DC |

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|

NOTE FOR MRCS ELEC, FREQ, AND FAAZ: IF REPLY CODE B IS ENTERED FOR MRC ACDC, REPLY TO MRCS ELEC, FREQ, AND FAAZ. IF REPLY CODE C IS ENTERED FOR MRC ACDC, REPLY TO MRC ELEC.

ALL* (See Note Above)

ELEC B VOLTAGE IN VOLTS

Definition: THE TOTAL ELECTRICAL VOLTAGE.

Reply Instructions: Enter the numeric value. (e.g., ELECB110.0*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., ELECKN*)

ALL* (See Note Preceding MRC ELEC)

FREQ B FREQUENCY IN HERTZ

Definition: THE CYCLES PER SECOND (HERTZ) OF THE ALTERNATING CURRENT.

Reply Instructions: Enter the numeric value. (e.g., FREQB60.0*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., FREQKN*)

ALL* (See Note Preceding MRC ELEC)

FAAZ D PHASE

Definition: THE NUMBER OF ALTERNATING CURRENT PHASES.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., FAAZDA*; FAAZDB$DC*)

| REPLY CODE | REPLY (AD02) |
|---|---|
| A | SINGLE |
| C | THREE |
| B | TWO |

ALL* (See Note Preceding MRC ACDC)

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|
| | AAYL | J | STEAM OPERATING PRESSURE |

Definition: THE STEAM PRESSURE REQUIRED TO MOTIVATE THE STEAM ENGINE OR TURBINE USED AS THE PRIME MOVER.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AAYLJG931.4*; AAYLJB65.5*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., AAYLKN*)

| REPLY CODE | REPLY (AA95) |
|---|---|
| B | KILOGRAMS PER SQUARE CENTIMETER GAGE |
| G | POUNDS PER SQUARE INCH GAGE |

ALL

| | | | |
|---|---|---|---|
| | AFPV | A | COMPARTMENT QUANTITY |

Definition: THE NUMBER OF COMPARTMENTS FORMED BY PARTITIONS.

Reply Instructions: Enter the quantity. Enter a reply for each different compartment size. (e.g., AFPVA2*; AFPVA1$$A3*)

ALL*

| | | | |
|---|---|---|---|
| | ABMZ | J | DIAMETER |

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A CIRCULAR FIGURE OR BODY, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMZJAA17.000*; ABMZJLA431.8*; ABMZJAA17.000$$JAA19.000*; ABMZJAB17.000$$JAC17.250*)

Table 1

| REPLY CODE | REPLY (AA05) |
|---|---|
| A | INCHES |
| L | MILLIMETERS |

Table 2

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|

| REPLY CODE | REPLY (AC20) |
|---|---|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

ALL*

AEJZ J DEPTH

Definition: A LINEAR MEASUREMENT FROM THE SURFACE TO A SPECIFIED INNER POINT ON AN ITEM, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AEJZJAA20.000*; AEJZJLA508.0*; AEJZJAA20.000$$JAA22.000*; AEJZJAB20.000$$JAC20.125*)

Table 1

| REPLY CODE | REPLY (AA05) |
|---|---|
| A | INCHES |
| L | MILLIMETERS |

Table 2

| REPLY CODE | REPLY (AC20) |
|---|---|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

ALL*

ABRY J LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF ANY OBJECT, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABRYJAA30.000*; ABRYJLA762.0*; ABRYJAA30.000$$JAA32.000*; ABRYJAB30.000$$JAC30.250*)

Table 1

| REPLY CODE | REPLY (AA05) |
|---|---|
| A | INCHES |
| L | MILLIMETERS |

Table 2

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|

| REPLY CODE | REPLY (AC20) |
|---|---|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

ALL*

ABGL J WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABGLJAA18.000*; ABGLJLA457.2*; ABGLJAA18.000$$JAA20.000*; ABGLJAB18.000$$JAC18.250*)

Table 1

| REPLY CODE | REPLY (AA05) |
|---|---|
| A | INCHES |
| L | MILLIMETERS |

Table 2

| REPLY CODE | REPLY (AC20) |
|---|---|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

ALL

CFTJ D COMPARTMENT INSULATION

Definition: AN INDICATION OF WHETHER OR NOT COMPARTMENT INSULATION IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CFTJDB*; CFTJDB$DC*)

| REPLY CODE | REPLY (AA49) |
|---|---|
| B | INCLUDED |
| C | NOT INCLUDED |

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|

*NOTE FOR MRCS AZKQ, ALXA, AND CFTK: IF WITH TWO OR MORE SEPARATELY THERMOSTATICALLY CONTROLLED COMPARTMENTS, USE AND/OR CODING ($$/$), ENTERING REPLIES FOR EACH COMPARTMENT WITH THE LONGEST LENGTH OR LARGEST DIAMETER FIRST.*

ALL (See Note Above)

AZKQ J TEMP RATING

Definition: A VALUE WHICH EXPRESSES THE DEGREE OF HEAT OR COLD AS APPLIED TO THE OPERATION, OR LIMITATION OF OPERATION, OF AN ITEM.

*Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AZKQJFA375.0*; AZKQJCA208.5*; AZKQJCB375.0$$JCC400.0*; AZKQJFA400.0$JFA420.0*)*

Table 1

| REPLY CODE | REPLY (AB36) |
|---|---|
| C | DEG CELSIUS |
| F | DEG FAHRENHEIT |

Table 2

| REPLY CODE | REPLY (AC20) |
|---|---|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

ALL (See Note Preceding MRC AZKQ)

ALXA D THERMOSTAT TEMP CONTROL

Definition: AN INDICATION OF WHETHER OR NOT A THERMOSTAT TEMPERATURE CONTROL IS INCLUDED.

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ALXADB*)

| REPLY CODE | REPLY (AA49) |
|---|---|
| B | INCLUDED |
| C | NOT INCLUDED |

ALL (See Note Preceding MRC AZKQ)

CFTK J MAXIMUM MAINTAINED TEMP

Definition: THE MAXIMUM TEMPERATURE AT WHICH THE ITEM CAN BE MAINTAINED.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., CFTKJF200.0*; CFTKJC111.2*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., CFTKKN*)

| REPLY CODE | REPLY (AB36) |
|---|---|
| C | DEG CELSIUS |
| F | DEG FAHRENHEIT |

ALL*

AAXX D MOUNTING TYPE

Definition: INDICATES THE TYPE OF MOUNT UTILIZED TO SUPPORT THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AAXXDBH*; AAXXDBW$DAT*)

| REPLY CODE | REPLY (AA78) |
|---|---|

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|
| | | BH | CASTER |
| | | BW | LEG |
| | | AT | SKID |
| | | AU | WHEEL |
| ALL* | | | |
| | AKYD | G | ACCESSORY COMPONENTS AND QUANTITY |

Definition: THE NAME AND NUMBER OF PARTS SUPPLIED WITH THE ITEM WHICH MAY BE REQUIRED FOR APPLICATION.

Reply Instructions: Enter the reply in clear text.

(e.g., AKYDGBASKET, DIPPING-DRAINING, 2*)

**SECTION: K**

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|
| ALL | | | |
| | NAME | D | ITEM NAME |

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED03715*)

| | | | |
|---|---|---|---|
| ALL | | | |
| | APQB | D | UNIT TYPE |

Definition: INDICATES THE TYPE OF UNIT.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APQBDBYR*; APQBDBYQ$$DBYR*; APQBDBYR$DBYS*)

| REPLY CODE | REPLY (AK95) |
|---|---|
| A | ANY ACCEPTABLE |
| BLB | BUTT |
| BYN | COMBINATION ROLL SPOT, SEAM/SPOT PUSH GUN |
| BYP | FLASH |
| BYQ | SEAM |
| BYR | SPOT |
| BYS | SPOT PRESS |
| BYT | SPOT ROCKER ARM |
| BYW | SPOT TONG |
| BYX | SPOT, TONG/GUN |

| | | | |
|---|---|---|---|
| ALL | | | |
| | APHE | D | OPERATION METHOD |

Definition: THE MEANS USED TO OPERATE THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APHEDAAJL*; APHEDAAJF$$DAAJG*; APHEDAACJ$DAAJH*)

| REPLY CODE | REPLY (AC58) |
|---|---|
| AAJE | AIR OPERATED, FOOT CONTROLLED |

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|
| | | A | ANY ACCEPTABLE |
| | | AABD | AUTOMATIC |
| | | AAGB | ELECTRIC |
| | | AAJF | FOOT CONTROLLED |
| | | AAJG | HAND CONTROLLED |
| | | AACJ | HAND OPERATED |
| | | AAJH | HAND OPERATED, FOOT CONTROLLED |
| | | AAJJ | HAND OPERATED, HAND CONTROLLED |
| | | AABF | HYDRAULIC |
| | | AAJK | HYDRAULIC FOOT PEDAL OPERATED |
| | | AACL | MOTOR |
| | | AAJL | MOTOR OPERATED, FOOT CONTROLLED |
| | | AAJM | MOTOR OPERATED, HAND CONTROLLED |
| | | AAGC | PNEUMATIC |
| | | AAGL | SEMIAUTOMATIC |

ALL

CPZW J KILOVOLT-AMPERE RATING

Definition: THE AMOUNT OF APPARENT POWER, AS DISTINGUISHED FROM TRUE POWER, FOR WHICH THE ITEM IS RATED, EXPRESSED IN KILOVOLT-AMPERES.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., CPZWJA30.0*; CPZWJB30.0$$JC31.0*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., CPZWKN*)

| REPLY CODE | REPLY (AC20) |
|---|---|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

ALL*

CDSG A HEAT STEP QUANTITY

Definition: THE NUMBER OF SETTINGS PROVIDED TO REGULATE THE HEAT.

Reply Instructions: Enter the quantity. (e.g., CDSGA16*; CDSGA14$A16*)

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|
| ALL* | | | |
| | AQCL | J | THROAT DEPTH |

Definition: A MEASUREMENT BETWEEN SPECIFIED POINTS ON THE THROAT, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AQCLJAA24.500*; AQCLJLA609.6*; AQCLJAB24.000$$JAC24.500*)

Table 1

| REPLY CODE | REPLY (AA05) |
|---|---|
| A | INCHES |
| L | MILLIMETERS |

Table 2

| REPLY CODE | REPLY (AC20) |
|---|---|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

| | | | |
|---|---|---|---|
| ALL* | | | |
| | CDSH | J | THROAT MAXIMUM VERTICAL CLEARANCE |

Definition: THE MAXIMUM VERTICAL CLEARANCE OF THE THROAT.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., CDSHJA2.750*; CDSHJL69.8*)

| REPLY CODE | REPLY (AA05) |
|---|---|
| A | INCHES |
| L | MILLIMETERS |

| | | | |
|---|---|---|---|
| ALL | | | |
| | ANPJ | D | INPUT CURRENT TYPE |

Definition: INDICATES THE TYPE OF INPUT CURRENT WHETHER ALTERNATING, DIRECT, OR BOTH.

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ANPJDB*; ANPJDB$DC*)

| REPLY CODE | REPLY (AB62) |
|---|---|
| B | AC |
| C | DC |

NOTE FOR MRCS AMSE, AXNP, ACZB, AND FAAZ: IF REPLY CODE B IS ENTERED FOR MRC ANPJ, REPLY TO MRCS AMSE, AXNP, ACZB, AND FAAZ. IF REPLY CODE C IS ENTERED FOR MRC ANPJ, REPLY TO MRCS AMSE AND AXNP.

ALL* (See Note Above)

AMSE J VOLTAGE RATING

Definition: THE VALUE(S) OF POTENTIAL FOR WHICH THE ITEM IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AMSEJVA400.0*; AMSEJKA0.4*; AMSEJVB400.0$$JVC440.0*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., AMSEKN*)

Table 1

| REPLY CODE | REPLY (AB63) |
|---|---|
| K | KILOVOLTS |
| V | VOLTS |

Table 2

| REPLY CODE | REPLY (AC20) |
|---|---|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

ALL* (See Note Preceding MRC AMSE)

AXNP J CURRENT RATING

Definition: THE AMOUNT OF CURRENT FOR WHICH THE ITEM IS DESIGNED.

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AXNPJAA3000.0*; AXNPJLA300000.0*; AXNPJAB2500.0$$JAC3000.0*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., AXNPKN*)

Table 1

| REPLY CODE | REPLY (AC30) |
|---|---|
| A | AMPERES |
| L | MILLIAMPERES |

Table 2

| REPLY CODE | REPLY (AC20) |
|---|---|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

ALL* (See Note Preceding MRC AMSE)

ACZB J FREQUENCY RATING

Definition: THE NUMBER OF COMPLETE CYCLIC CHANGES, PER UNIT OF TIME, FOR WHICH AN ITEM IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ACZBJEA60.0*; ACZBJKA0.06*; ACZBJEB50.0$$JEC60.0*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., ACZBKN*)

Table 1

| REPLY CODE | REPLY (AC32) |
|---|---|
| E | HERTZ |
| K | KILOHERTZ |

Table 2

| REPLY CODE | REPLY (AC20) |
|---|---|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|

ALL* (See Note Preceding MRC AMSE)

FAAZ D PHASE

Definition: THE NUMBER OF ALTERNATING CURRENT PHASES.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., FAAZDA*; FAAZDB$DC*)

| REPLY CODE | REPLY (AD02) |
|---|---|
| A | SINGLE |
| C | THREE |
| B | TWO |

ALL

CDSJ D WATER COOLED ELECTRODE

Definition: AN INDICATION OF WHETHER OR NOT A WATER COOLED ELECTRODE(S) IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CDSJDB*; CDSJDB$DC*)

| REPLY CODE | REPLY (AA49) |
|---|---|
| B | INCLUDED |
| C | NOT INCLUDED |

ALL

AKYN G FURNISHED ITEMS AND QUANTITY

Definition: THE NAME AND NUMBER OF THOSE PARTS FURNISHED WITH THE ITEM OF SUPPLY THAT HAVE NOT BEEN SPECIFIED ELSEWHERE.

Reply Instructions: Enter the reply in clear text. (e.g., AKYNGTIMER, AUTOMATIC, 1*)

**SECTION: STANDARD**

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|
| ALL* | | | |
| | FEAT | G | SPECIAL FEATURES |

Definition: THOSE UNUSUAL OR UNIQUE CHARACTERISTICS OR QUALITIES OF AN ITEM NOT COVERED IN THE OTHER REQUIREMENTS AND WHICH ARE DETERMINED TO BE ESSENTIAL FOR IDENTIFICATION.

Reply Instructions: Enter the reply in clear text. Separate multiple replies with a semicolon. (e.g., FEATGADJUSTABLE NOSE CLIP*; FEATGADJUSTABLE NOSE PIECE; DISPOSABLE*)

| | | | |
|---|---|---|---|
| ALL* | | | |
| | TEST | J | TEST DATA DOCUMENT |

Definition: THE SPECIFICATION, STANDARD, DRAWING, OR SIMILAR INSTRUMENT THAT SPECIFIES ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS OR TEST CONDITIONS UNDER WHICH AN ITEM IS TESTED AND ESTABLISHES ACCEPTABLE LIMITS WITHIN WHICH THE ITEM MUST CONFORM IDENTIFIED BY AN ALPHABETIC AND/OR NUMERIC REFERENCE NUMBER. INCLUDES THE COMMERCIAL AND GOVERNMENT ENTITY (CAGE) CODE OF THE ENTITY CONTROLLING THE INSTRUMENT.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the 5-position CAGE Code, a dash, and the document identification number.

(e.g., TESTJA12345-CWX654321*;

TESTJA1234A-654321$$JB5556A-663654*;

TESTJAA2345-654321$JB55566-663654*)

| REPLY CODE | REPLY (AC28) |
|---|---|
| A | SPECIFICATION (Includes engineering type bulletins, brochures, etc., that reflect specification type data in specification format; excludes commercial catalogs, industry directories, and similar trade publications, reflecting general type data on certain environmental and performance requirements and test conditions that are shown as "typical," "average," "nominal," etc.) |
| B | STANDARD (Includes industry or association standards, individual manufacturer standards, etc.) |

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|
| | | C | DRAWING (This is the basic governing drawing, such as a contractor drawing, original equipment manufacturer drawing, etc.; excludes any specification, standard, or other document that may be referenced in a basic governing drawing) |

ALL*

SPCL G SPECIAL TEST FEATURES

Definition: TEST CONDITIONS AND RATINGS, OR ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS THAT ARE DIFFERENT, MORE CRITICAL, OR MORE SPECIFIC THAN THOSE SPECIFIED IN A GOVERNING TEST DATA DOCUMENT.

Reply Instructions: Enter the reply in clear text. (e.g., SPCLGSELECTED AND TESTED FOR NAVIGATIONAL SYSTEMS*)

ALL*

ZZZK J SPECIFICATION/STANDARD DATA

Definition: THE DOCUMENT DESIGNATOR OF THE SPECIFICATION OR STANDARD WHICH ESTABLISHED THE ITEM OF SUPPLY.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the Commercial and Government Entity (CAGE) Code of the entity controlling the document, a dash, and the document designator. The agency that controls the limited coordination document must be preceded and followed by a slash following the designator. The word canceled or superseded must be preceded and followed by a slash for the designator. Professional and industrial association specifications/standards are differentiated from a manufacturer's specification in that the data has been coordinated and published by the professional and industrial association. Include amendments and revisions where applicable.

(e.g., ZZZKJT81337-30642B*;

ZZZKJS81349-MIL-D-180 REV1/CANCELED/*;

ZZZKJP80205-NAS1103*;

ZZZKJS81349-MIL-C-1140C/CE/*;

ZZZKJT81337-30642B$$JP80205-NAS1103*)

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|

| REPLY CODE | REPLY (AN62) |
|---|---|
| S | GOVERNMENT SPECIFICATION |
| T | GOVERNMENT STANDARD |
| D | MANUFACTURERS SOURCE CONTROL |
| R | MANUFACTURERS SPECIFICATION |
| N | MANUFACTURERS SPECIFICATION CONTROL |
| M | MANUFACTURERS STANDARD |
| A | PROFESSIONAL/INDUSTRIAL ASSOCIATION SPECIFICATION |
| P | PROFESSIONAL/INDUSTRIAL ASSOCIATION STANDARD |

NOTE FOR MRC ZZZT: IF THE SPECIFICIATION/STANDARD CITED IN REPLY TO MRC ZZZK IS NONDEFINITIVE, REPLY TO MRC ZZZT. THIS REPLY IS THE DATA WHICH IS NOT RECORDED IN SEGMENT C.

ALL* (See Note Above)

ZZZT J NONDEFINITIVE SPEC/STD DATA

Definition: THE NUMBER, LETTER, OR SYMBOL THAT INDICATES THE TYPE, STYLE, GRADE, CLASS, AND THE LIKE, OF AN ITEM IN A NONIDENTIFYING SPECIFICATION OR STANDARD.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 2, followed by the appropriate number, letter, or symbol. (e.g., ZZZTJTY1*; ZZZTJTY1$$JSTA*; ZZZTJTY1$JSTA*)

ALL*

ZZZW G DEPARTURE FROM CITED DOCUMENT

Definition: THE TECHNICAL DIFFERENTIATING CHARACTERISTIC(S) OF AN ITEM OF SUPPLY WHICH DEPART(S) FROM THE TEXT OF A SPECIFICATION OR A STANDARD IN THAT IT REPRESENTS A SELECTION OF CHARACTERISTICS STATED IN THE SPECIFICATION OR STANDARD AS BEING OPTIONAL, OR A VARIATION FROM ONE OR MORE OF THE STATED CHARACTERISTICS, OR AN ADDITIONAL CHARACTERISTIC NOT STATED IN THE SPECIFICATION OR STANDARD.

Reply Instructions: Enter the reply in clear text. (e.g., ZZZWGAS MODIFIED BY MATERIAL*)

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|
| ALL* | | | |
| | ZZZX | G | DEPARTURE FROM CITED DESIGNATOR |
| | | | Definition: THE VARIATION WHEN THE ITEM IS IN CONFORMITY WITH A TYPE DESIGNATOR COVERED BY A SPECIFICATION OR STANDARD, EXCEPT IN REGARD TO ONE OR MORE TECHNICAL DIFFERENTIATING CHARACTERISTICS. |
| | | | Reply Instructions: Enter the reply in clear text. (e.g., ZZZXGAS MODIFIED BY MATERIAL*) |
| ALL* | | | |
| | ZZZY | G | REFERENCE NUMBER DIFFERENTIATING CHARACTERISTICS |
| | | | Definition: A FEATURE OF THE ITEM OF SUPPLY WHICH MUST BE SPECIFICALLY RECORDED WHEN THE REFERENCE NUMBER COVERS A RANGE OF ITEMS. |
| | | | Reply Instructions: Enter the reply in clear text. (e.g., ZZZYGCOLOR CODED LEADS*; ZZZYGAS DIFFERENTIATED BY MATERIAL*) |
| ALL* | | | |
| | CRTL | A | CRITICALITY CODE JUSTIFICATION |
| | | | Definition: THE MASTER REQUIREMENT CODES OF THOSE REQUIREMENTS WHICH ARE TECHNICALLY CRITICAL BY REASON OF TOLERANCE, FIT, PERFORMANCE, OR OTHER CHARACTERISTICS WHICH AFFECT IDENTIFICATION OF THE ITEM. |
| | | | Reply Instructions: Enter the Master Requirement Code for the requirement, the reply to which renders the item as being critical. (e.g., CRTLAMATL*; CRTLAMATL$$ASURF*) |
| | | | Reply to this requirement only if the header record for the item identification for the item being identified has been coded as critical. |
| NOTE FOR MRC PRPY: IF DOCUMENT AVAILABILITY CODE B, D, F, OR H, REPLY TO MRC PRPY. | | | |
| ALL* (See Note Above) | | | |

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|
| | PRPY | A | PROPRIETARY CHARACTERISTICS |

Definition: IDENTIFICATION OF THOSE CHARACTERISTICS INCLUDED IN THE DESCRIPTION FOR WHICH A NON-GOVERNMENT ACTIVITY HAS IDENTIFIED ALL OR SELECTED CHARACTERISTICS OF THE ITEM AS BEING PROPRIETARY AND THEREFORE RESTRICTED FROM RELEASE OUTSIDE THE GOVERNMENT WITHOUT PRIOR PERMISSION OF THE ORIGINATOR OF THE DATA.

Reply Instructions: Enter the MRC codes of the individual characteristics of the description which are marked proprietary on the technical data, using AND coding ($$) for multiple characteristics. If all the MRCs are proprietary, enter the reply PACS. If none of the MRCs is proprietary, enter the reply NPAC. (e.g., PRPYAPACS*; PRPYANPAC*; PRPYAMATL$$ASURF*)

ALL*

| | | | |
|---|---|---|---|
| | ELRN | G | EXTRA LONG REFERENCE NUMBER |

Definition: A REFERENCE NUMBER EXCEEDING 32 POSITIONS.

Reply Instructions: Enter the entire reference number. Do not include the 5-position Commercial and Government Entity (CAGE) Code unless there is more than one extra long reference number on the NSN, (e.g., ELRNGANN112036BIL060557LEN313605UZ62365*).

If there is more than one extra long reference number on the NSN, include the CAGE or NCAGE and separate each reference by using the "&" character, (e.g., 28480 ANN112036BIL060557LEN313605UZ62365 & S1234 NN112036BIL060557LEN313605UZ62365).

In determining quantity of characters in the reference number, count will be made after modification in accordance with Volume 2, Chapter 9, FLIS Procedures Manual, DoD 4100.39-M.

ALL*

| | | | |
|---|---|---|---|
| | ELCD | D | EXTRA LONG CHARACTERISTIC DESCRIPTION |

Definition: A DESCRIPTION THAT EXCEEDS 5000 CHARACTERS.

Reply Instructions: Enter the Reply Code from the table below. (e.g., ELCDDA*)

| REPLY CODE | REPLY (AN58) |
|---|---|

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|
| | | A | ADDITIONAL DESCRIPTIVE DATA ON MANUAL RECORD |

**SECTION: SUPPTECH**

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|
| ALL | | | |
| | AFJK | J | CUBIC MEASURE |

Definition: A MEASUREMENT OF VOLUME TAKEN BY MULTIPLYING THE LENGTH BY THE WIDTH BY THE HEIGHT OF AN ITEM AND RENDERED IN CUBIC UNITS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AFJKJB8.000*; AFJKJC131.1*)

| REPLY CODE | REPLY (AD42) |
|---|---|
| C | CUBIC CENTIMETERS |
| B | CUBIC INCHES |

ALL

| | | |
|---|---|---|
| AWJN | J | UNPACKAGED UNIT WEIGHT |

Definition: THE MEASURED WEIGHT OF AN ITEM UNENCUMBERED BY PACKAGING OR PACKING MATERIAL.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AWJNJAS1.500*; AWJNJBA670.4*)

| REPLY CODE | REPLY (AG67) |
|---|---|
| BA | GRAMS |
| AJ | KILOGRAMS |
| AS | POUNDS |

ALL

| | | |
|---|---|---|
| SUPP | G | SUPPLEMENTARY FEATURES |

Definition: CHARACTERISTICS OR QUALITIES OF AN ITEM, NOT COVERED IN ANY OTHER REQUIREMENT, WHICH ARE CONSIDERED ESSENTIAL INFORMATION FOR ONE OR MORE FUNCTIONS EXCLUDING NSN ASSIGNMENT.

Reply Instructions: Enter the reply in clear text. (e.g., SUPPGMAY INCL HOLE IN UPPER SUPPORT FOR MTG DURING SHIPMENT*)

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|
| ALL | | | |
| | FCLS | A | FUNCTIONAL CLASSIFICATION |
| | Definition: THE ALPHA-NUMERIC DESIGNATION THAT IDENTIFIES THE CLASSIFICATION OF THE ITEM ACCORDING TO THE CATEGORY OF FUNCTIONS PERFORMED. | | |
| | Reply Instructions: Enter the reply from the applicable document. | | |
| | (e.g., FCLSAHH-1.5*) | | |
| ALL | | | |
| | FTLD | G | FUNCTIONAL DESCRIPTION |
| | Definition: DESCRIBES THE CAPABILITIES, INTENDED USE, AND/OR PURPOSE FOR WHICH THE ITEM IS PROVIDED. | | |
| | Reply Instructions: Enter description of function as concisely as possible. (e.g., FTLDGUSED TO INSTALL/REMOVE ENGINE NACELLE*) | | |
| ALL | | | |
| | TMDN | A | TYPE/MODEL DESIGNATION |
| | Definition: THE ALPHA-NUMERIC-ALPHA DESIGNATION USED TO IDENTIFY THE TYPE AND/OR MODEL OF THE BASIC ITEM. | | |
| | Reply Instructions: Enter the appropriate designation data. | | |
| | (e.g., TMDNAMSV-615/M*) | | |
| ALL | | | |
| | RTSE | G | RELATIONSHIP TO SIMILAR EQUIPMENT |
| | Definition: INDICATES THE RELATIONSHIP, SUCH AS CONSTRUCTION, CAPABILITIES, AND THE LIKE, OF THE ITEM TO A SIMILAR ITEM. | | |
| | Reply Instructions: Enter concise statement for similar item including name and identifying data. | | |
| | (e.g., RTSEGSIMILAR TO LOCKHEED OVERWING ENGINE HOIST P/N 61521-58*) | | |

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|
| ALL | | | |
| | RDAL | G | REFERENCE DATA AND LITERATURE |

Definition: LITERATURE AND REFERENCES AVAILABLE FOR INFORMATION PERTAINING TO THE ITEM.

Reply Instructions: Enter data appropriate and in a concise manner to identify informational references covering the item.

(e.g., RDALGNAAVAIROIA/VFK58 A-2.2.9*)

ALL

| | | | |
|---|---|---|---|
| | NTRD | A | ENTRY DATE |

Definition: INDICATES THE DATE THE ITEM WAS ENTERED INTO MIL-HDBK-300.

Reply Instructions: Enter the date structured in three hyphenated 2 position segments to indicate the last 2 digits of the calendar year, month, and day.

(e.g., NTRDA80-05-28*)

ALL

| | | | |
|---|---|---|---|
| | ZZZV | G | FSC APPLICATION DATA |

Definition: THE JUSTIFICATION FOR THE ASSIGMENT OF A FEDERAL SUPPLY CLASS (FSC) TO AN ITEM BASED ON THE CLASSIFICATION OF THE NEXT HIGHER CLASSIFIABLE ASSEMBLY.

Reply Instructions: Enter the name of the next higher classifiable assembly in clear text. (e.g., ZZZVGBEARINGS, ANTIFRICTION, UNMOUNTED*)

ALL

| | | | |
|---|---|---|---|
| | CXCY | G | PART NAME ASSIGNED BY CONTROLLING AGENCY |

Definition: THE NAME ASSIGNED TO THE ITEM BY THE GOVERNMENT AGENCY OR COMMERCIAL ORGANIZATION CONTROLLING THE DESIGN OF THE ITEM.

Reply Instructions: Enter the reply in clear text. (e.g., CXCYGLINE PROCESSOR CONTROL BOARD*)

## Reply Tables

Table 1 - HEAT TREATING FURNACE TYPES

HEAT TREATING FURNACE TYPES

| REPLY CODE | REPLY (AK54) |
|---|---|
| A | ANY ACCEPTABLE |
| ECR | CONTROLLED ATMOSPHERE BELT ARTICULATED CONVEYOR |
| ECS | CONTROLLED ATMOSPHERE CHAIN MULTIPLE CONVEYOR |
| EHK | CONTROLLED ATMOSPHERE FULL MUFFLE OVEN |
| ECW | CONTROLLED ATMOSPHERE OVERHEAD PUSHER CONVEYOR |
| ECX | CONTROLLED ATMOSPHERE ROLLER HEARTH CONVEYOR |
| ECY | CONTROLLED ATMOSPHERE SHAKER HEARTH |
| ECZ | CONTROLLED ATMOSPHERE TRAY PUSHER ON SKID RAIL CONVEYOR |
| EDA | CONTROLLED ATMOSPHERE WALKING BEAM CONVEYOR |
| EDB | CONVECTION CAR |
| EDC | CONVECTION FOUNDATION PIT |
| EDD | CONVECTION PIT |
| BBE | COVER |
| EDE | DIRECT FIRED BELT ARTICULATED CONVEYOR |
| EDF | DIRECT FIRED CAR |
| EDG | DIRECT FIRED CHAIN MULTIPLE CONVEYOR |
| EDH | DIRECT FIRED FOUNDATION PIT |
| EDJ | DIRECT FIRED OVEN |
| EDK | DIRECT FIRED OVERHEAD PUSHER CONVEYOR |
| EDL | DIRECT FIRED PIT |
| EDM | DIRECT FIRED ROLLER HEARTH CONVEYOR |
| EDN | DIRECT FIRED TRAY PUSHER ON SKID RAIL CONVEYOR |
| EDP | DIRECT FIRED WALKING BEAM CONVEYOR |
| EDQ | ELECTRODE SALT BATH |
| EDR | FORGE FURNACE SLOT |
| EHL | POT INCLUDING SALT BATHS EXTERNALLY HEATED |
| EHM | PUSHER |
| EDT | REVOLVING RETORT |
| EDW | ROTARY HEARTH |
| EDX | ROTARY RETORT |
| EDY | SEMIMUFFLE OVEN |

Table 2 - NONDEFINITIVE SPEC/STD DATA

NONDEFINITIVE SPEC/STD DATA

| REPLY CODE | REPLY (AD08) |
|---|---|
| AL | ALLOY |
| AN | ANNEX |
| AP | APPENDIX |
| AC | APPLICABILITY CLASS |
| AR | ARRANGEMENT |
| AS | ASSEMBLY |

| REPLY CODE | REPLY (AD08) |
|---|---|
| AB | ASSORTMENT |
| BX | BOX |
| CY | CAPACITY |
| CA | CASE |
| CT | CATEGORY |
| CL | CLASS |
| CE | CODE |
| CR | COLOR |
| CC | COMBINATION CODE |
| CN | COMPONENT |
| CP | COMPOSITION |
| CM | COMPOUND |
| CD | CONDITION |
| CS | CONSTRUCTION |
| DE | DESIGN |
| DG | DESIGNATOR |
| DW | DRAWING NUMBER |
| EG | EDGE |
| EN | END |
| FY | FAMILY |
| FG | FIGURE |
| FN | FINISH |
| FM | FORM |
| FA | FORMULA |
| GR | GRADE |
| GP | GROUP |
| NS | INSERT |
| TM | ITEM |
| KD | KIND |
| KT | KIT |
| LG | LENGTH |
| LT | LIMIT |
| MK | MARK |
| ML | MATERIAL |
| MH | MESH |
| ME | METHOD |
| MD | MODEL |
| MT | MOUNTING |
| NR | NUMBER |
| PT | PART |
| PN | PATTERN |
| PC | PHYSICAL CONDITION |
| PS | PIECE |
| PL | PLAN |
| PR | POINT |
| QA | QUALITY |
| RN | RANGE |
| RT | RATING |

| REPLY CODE | REPLY (AD08) |
|---|---|
| RF | REFERENCE NUMBER |
| SC | SCHEDULE |
| SB | SECTION |
| SL | SELECTION |
| SE | SERIES |
| SV | SERVICE |
| SX | SET |
| SA | SHADE |
| SH | SHAPE |
| SG | SHEET |
| SZ | SIZE |
| PZ | SPECIES |
| SQ | SPECIFICATION SHEET |
| SD | SPEED |
| ST | STYLE |
| SS | SUBCLASS |
| SF | SUBFORM |
| SP | SUBTYPE |
| SN | SURFACE CONDITION |
| SY | SYMBOL |
| SM | SYSTEM |
| TB | TABLE |
| TN | TANNAGE |
| TP | TEMPER |
| TX | TEXTURE |
| TK | THICKNESS |
| TT | TREATMENT |
| TR | TRIM |
| TY | TYPE |
| YN | UNIT |
| VA | VARIETY |
| WT | WEIGHT |
| WD | WIDTH |

Table 3 - SPECIFIC USE
SPECIFIC USE

| REPLY CODE | REPLY (AD34) |
|---|---|
| QQ | BEVEL |
| QR | BOILER TUBE(s) |
| QS | CIRCLE |
| QT | DESEAMING |
| QW | DRAG |
| ES | GENERAL PURPOSE |
| QY | GOUGING (grooves, veeing) |
| QZ | HEAVY DUTY |
| RA | HI-SPEED (machine use only) |

| REPLY CODE | REPLY (AD34) |
|---|---|
| MN | INTRODUCING |
| RB | LIGHT DUTY |
| RC | MEDIUM DUTY |
| RD | METAL WASHING |
| RF | PLATE |
| RH | RIVET BLOWING |
| RG | RIVET(s) (bolts) |
| RJ | RIVET WASHING |
| RK | SCARFING |
| RL | SCRAP |
| RM | SHEET |
| RN | STRAIGHT |
| HP | SUBMARINE (under water) |
| NL | TUBE |

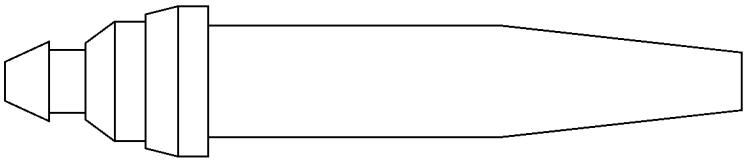
## Reference Drawing Groups

REFERENCE DRAWING GROUP A

TIP STYLES

(No Requirements)

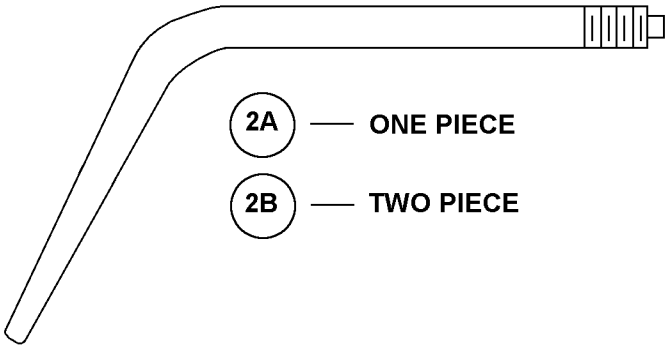
CUTTING



1A — ONE PIECE

1B — TWO PIECE

WELDING



2A — ONE PIECE

2B — TWO PIECE

# Technical Data Tables

**No table of contents entries found.**

## FIIG Change List

FIIG Change List, Effective May 7, 2010

This change replaced with ISAC or and/or coding.